
1990 IUCN Red List of Threatened Animals

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IUCN – THE WORLD CONSERVATION UNION

Founded in 1948, IUCN – the World Conservation Union – is a membership organisation comprising governments, non-governmental organisations (NGOs), research institutions, and conservation agencies in 120 countries. The Union's objective is to promote and encourage the protection and sustainable utilisation of living resources.

Several thousand scientists and experts from all continents form part of a network supporting the work of its six Commissions: threatened species, protected areas, ecology, sustainable development, environmental law and environmental education and training. Its thematic programmes include tropical forests, wetlands, marine ecosystems, plants, the Sahel, Antarctica, population and sustainable development, and women in conservation. These activities enable IUCN and its members to develop sound policies and programmes for the conservation of biological diversity and sustainable development of natural resources.

WCMC – THE WORLD CONSERVATION MONITORING CENTRE

The World Conservation Monitoring Centre (WCMC) is a joint venture between the three partners in the World Conservation Strategy, the World Conservation Union (IUCN), the World Wide Fund for Nature (WWF) and the United Nations Environment Programme (UNEP). Its mission is to support conservation and sustainable development by collecting and analysing global conservation data so that decisions affecting biological resources are based on the best available information.

WCMC has developed a global overview database of the world's biological diversity that includes threatened plant and animal species, habitats of conservation concern, critical sites, protected areas of the world, and the utilisation and trade in wildlife species and products. Drawing on this database, WCMC provides an information service to the conservation and development communities, governments and United Nations agencies, scientific institutions, the business and commercial sector, and the media. WCMC produces a wide variety of specialist outputs and reports based on analyses of its data.

1990 IUCN Red List of Threatened Animals

Prepared by the
**World Conservation Monitoring Centre
Cambridge, U.K.**

In association with the
IUCN Species Survival Commission
and the
International Council for Bird Preservation

Guest Essay by
Dr Nathan Flesness and Dr Tom Foose
of the
IUCN/SSC Captive Breeding Specialist Group

**IUCN – THE WORLD CONSERVATION UNION
1990**

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FOREWORD

The Red List of species threatened with extinction is an international bulletin board alerting people to particulars of the diminishment of biodiversity worldwide. It is a very incomplete list, for, as Bruce Wilcox indicated in the last edition of the Red List, there are likely millions of inconspicuous species that are unclassified and that likely will be extinct before we know them scientifically. Nevertheless, the Red List and the Red Data Books of IUCN – the World Conservation Union, have served to stimulate many countries to assess the conservation status of their floras and faunas more extensively and completely. In response, laws and regulations to protect and conserve endangered species have been instituted nationally and internationally. There have also resulted more programmes to rescue endangered species under the protection of national parks, reserves, zoological parks, aquariums, and botanical gardens. And more habitat restoration and species reintroductions are now underway.

Yet catastrophic extinction waves are still before us if current practices and growth of human populations continue. The advent of a world convention or treaty on the conservation of biological diversity under the aegis of IUCN and the United Nations Environment Program is therefore a timely and much needed development to help stem the extinction tide. The member governments and organizations of IUCN should attend as rapidly and closely as possible to this opportunity to promote more effective conservation of living natural resources globally.

The principal users of this slim volume are no doubt already concerned or involved in aspects of species and habitat conservation. Yet all may not be aware of the complementary work of the IUCN to galvanize conservation efforts on behalf of Red List and other species. The reference here is to the Action Plan programme of IUCN's Species Survival Commission, which is a comprehensive scheme to specify the conservation status, priorities, and actions needed for many groups of plants and animals. Fifteen such plans by SSC Specialist Groups have been published, and several more are in preparation. Also in publication is a regional action plan for Sub-Saharan Africa compiled by Simon Stuart.

It is our hope that implementation of the SSC Action Plans can and will be followed by governments and non-governmental organizations, aided and assisted where possible by the SSC volunteer network of experts. Great encouragement of the overall Action Plan programme has been received this year through the Peter Scott Memorial Appeal. A generous gift from the Government of Oman will foster continuing preparation of the plans and first steps in implementation of those that have been completed. It is, of course, very fitting that Sir Peter Scott be remembered in this way, for he was the founder of the Species Survival Commission, the Red Data Books, and the Action Plan idea. There is a clear challenge to us to be as thoughtful and creative in continuing the work that he started.

In carrying on, the SSC has undertaken to re-examine the traditional categories used in classifying the conservation status of species. There is consequently now a study by Georgina Mace and Russell Lande examining extinction danger from the standpoint of population biology. There will be other studies relating to this question, including an attempt to rate extinction risks from causative human

activities. In this way, future Red Lists may become increasingly precise and compelling as they succinctly signal the condition of the world's heritage of species. Meanwhile, we must take up the cause of whole groups of species whose existence is suddenly imperilled – amphibians and sharks are immediate examples, with very different causational factors implicated.

Another approach to priorities in the conservation of biodiversity is identifying places rich in species and concentrating action on preservation and protection of these areas, labelled "hot spots" by Norman Myers. Recently, Russell Mittermeier has extended this idea to the political geography of the world and identified megadiversity countries that deserve focussed conservation attention. A suggested Green List of species important ecologically, evolutionarily, or economically may be another worthwhile venture. Such initiatives as well as the Red List are all valuable in reinforcing the message that people and their governments must act *now* if we are to conserve the world's natural heritage.

In closing, it is appropriate to acknowledge the extraordinary effort made by Jane Thornback in compiling this and previous Red Lists. It is also fitting to note that such labour and the expenses of producing the Red List, the Red Data Books, the SSC Action Plans, and related publications will be in vain unless conservationists of all kinds work to see that there are indeed adequate responses to the warnings of irrevocable losses of species that these publications provide. May this book's readers so commit themselves for the benefit of future generations.

George B. Rabb
Chairman, Species Survival Commission
IUCN, The World Conservation Union

INTRODUCTION

The *IUCN Red List of Threatened Animals* is a list of those taxa known by IUCN to be threatened with extinction. It complements the IUCN Red Data Books and the IUCN Species Action Plans, both of which contain more detailed information on the conservation status of species.

IUCN'S threatened animal list is compiled and maintained for IUCN by the World Conservation Monitoring Centre (WCMC) with the assistance of the International Council for Bird Preservation (ICBP). The list is published periodically. For each threatened taxon, the list includes its scientific name, english common name, IUCN threat category and a brief description of its distribution.

The threatened species list is based on information provided by numerous scientists and naturalists working in the field. The information may arrive at IUCN in the form of published and unpublished reports, books and correspondence. Much of the information is collated together by the Species Specialist Groups of IUCN's Species Survival Commission (SSC) and the Working Groups of the ICBP.

The threat category assigned to a species is determined by a review of the factors impinging on a species and the extent of the effect that these are having. Key factors that are examined include the change in distribution, change in numbers, degree and type of threat, population biology of the species and the level of conservation commitment and resources that the species is likely to benefit from. Currently, IUCN is reviewing new methods of assigning species threat categories.

The number of threatened taxa identified by IUCN is just over 5000, comprised of 698 mammals, 1047 birds, 191 reptiles, 63 amphibians, 762 fishes and 2250 invertebrates. Except for birds, for which ICBP have now attempted a global review, these numbers represent only those taxa known by IUCN to be threatened. Many, many more taxa are threatened, many of them as yet undescribed by science. The number of taxa listed in the Red List is therefore only a fraction of the numbers it might be. Biodiversity in all its forms is being lost at a rate far exceeding that of any earlier extinction phase. Added to the major threats of habitat loss and overexploitation must now be added the impending threat of climate change. This will have a far reaching effect on conservation of biodiversity since the role of national parks and protected areas will be undermined especially with regard to plant and invertebrate conservation.

The IUCN threatened species list is constantly under review, with changes arising as new studies are undertaken or as previously unreviewed groups are examined by conservationists. Any relevant information on the status of species should be sent to IUCN or WCMC:

Red List Inventory
World Conservation Monitoring Centre
219c Huntingdon Road, Cambridge CB3 0DL
United Kingdom

Fax: 0223 277136

GUEST ESSAY

THE ROLE OF CAPTIVE BREEDING IN THE CONSERVATION OF SPECIES

Nathan R. Flesness and Tom J. Foose

We have borrowed the Earth from our children, and are defaulting on the loan. Their planet will have less ability to sustain life, and less ability to sustain wonder.

There is understandable disagreement as to just exactly how many million fewer species there will be. Whatever the total, whatever terms used to measure it, we are witnessing a very rare event – a large scale reduction in the life forms on Earth. Such a loss of *kinds* of life seems to have happened only a few times in the last billion years, perhaps associated with the rare and catastrophic collision of Earth and a large meteor. Now, of course, we are seeing the catastrophic collision of Earth with an unprecedentedly large and powerful human population.

With such grand and terrible events going on, with a scale in the millions, what is the possible role of captive breeding programs for one or two thousand species?

One answer comes from the non-random pattern of the extinctions we are seeing. Though we are losing many uniquely adapted mice species, "mice" as a broad guild of creature, will certainly survive the next century or two. So will fox and coyote, thanks in part to the mice. But the larger carnivores – the grizzly, the tiger, the lion, the condor, the crocodile and crane, need larger and wilder space. Most such species are or will be at risk. The large herbivores – the rhino, elephants, desert antelopes, etc. not only need large areas of habitat but are commonly eliminated by human activity even before their habitat is. High cash value wild plants, such as orchids or exotic tropical hardwood trees are disappearing because of excessive harvest, not herbivores. Life forms that are large, slow-reproducing, insular, specialized for climax ecosystems, or have high cash value of harvest, are much less likely to be a part of the future ecology of the planet.

Sadly, we will lose more species of mice in the future, but not all mice. The same is true a thousand-fold for beetles. But we may lose *all* the rhino, and many or most of the broad group of wild mammals over 25kg or so. Similar perspectives but with different thresholds apply to birds, herps, fish, invertebrates, and plants. Humans naturally have often interacted deeply with life-forms that are very visible (birds, for example) or are within an order of magnitude of our own size. Loss of any species is a tragedy, but the larger forms – the elephant, buffalo, wolf, crane, and so on, have played particularly important roles in human ecology and culture. Many such species are, have been, and could again become important economically when we finally and inevitably make the transition to a sustainable society. Moreover, many such organisms have a special role in the heritage of peoples, or are of special religious importance. Or, *in extremis*, as phrased by Bill Conway, "Are not some creatures so marvellous and so important to our concept of Earth that they should be preserved when all traces of their evolutionary homes are gone?"

Tabulations by the World Conservation Monitoring Centre indicate that 3.7% of the land area of the Earth is now protected. Most of the rest is or will be developed or managed for human purposes so intensively that biological diversity will be greatly reduced. Some of the 3.7% is protected only on paper, some of it is under visitor parking lots. Because our species reserves 96% of the land surface for our own direct utilization, we had best learn or relearn ways to retain diversity in these unprotected areas as well.

The emerging science of Conservation Biology has provided a crude tool – Population Viability Analysis – to help evaluate persistence probabilities of populations over time, and to help rank and quantify both the various risks to survival, and the impacts of potential protective measures. When this PVA tool is applied to problem species, the answer most often produced is that not enough "wild" is left, that the species of interest is at risk from a combination of deterministic and stochastic factors, and at greater risk than our intuition expected. Setting aside 3.7% of the earth to protect life in general will not suffice, especially for large and top-of-the-food-chain creatures. We *must* protect more habitat, but often there is none left to protect outside of existing reserves.

Most habitat protection has necessarily been opportunistic. Many protected areas are now being found inadequate for the longer term. Often the "flagship" taxon, in whose name the area was initially protected does not have a reasonable chance of surviving in the area over time spans of the next century or two.

So why captive breeding? Aldo Leopold answered this with a striking aphorism – "the first rule of intelligent tinkering is to save all the pieces". Human activity, or tinkering, scores dismally on this intelligence test. The sum total of all our conservation activities (enormously smaller than our development activities) is failing to save anywhere near *all* of the pieces. The stakes have come down to saving *some* of the pieces.

Captive breeding can buy time. Time to correct a management error, time to stop human over-exploitation, time even to practice restoration ecology and restore some habitats – for which you need the pieces (species). Surely, re-introduction science and restoration ecology will themselves continue to make progress. In the most desperate cases, captive breeding can preserve valuable and fascinating living monuments to a wild that once was – time for our descendants to at least marvel at life, not just stuffed and ageing skins. In better cases, captive breeding may help buy time by augmenting an ongoing "wild" population which is too small to have a good chance of persistence without supplementary reservoir of both individuals and genes. In other cases, extinction of wild populations will someday be followed by complete re-introduction from captive-bred and sustained populations. Such programs have been accomplished in the past and have an even better chance in the future now that serious science and science-based patience are applied.

Some of course disagree, arguing instead that species cannot or should not be maintained *ex situ*. Such views would deny preservation and conservation options to all future generations. It is hard not to see this as profoundly arrogant.

The world's two bison species are historical examples of the role which captive breeding can play. The American bison (*Bison bison*) were reduced by Caucasian settlement from an estimated initial 60,000,000 to less than 1,000 by 1889. The

magnificent animals that today roam several protected areas in the American West were re-established beginning in 1907 with stock intentionally bred for this purpose at the Bronx Zoo (a wild remnant population estimated at 200 did survive in the then-new Yellowstone National Park). The equally magnificent European bison, or wisent (*Bison bonasus*) was *completely* exterminated in the wild in 1921, but was bred in zoos starting from 12 animals in 1913. Zoo bred stock was successfully re-introduced in 1956 into the remaining wild – the Bialoweiza Park – on the border of Poland and the U.S.S.R, where these animals thrive today.

Another important historical example is the Mongolian wild horse (*Equus przewalski*). A zoo population was established 1898-1900, with one additional wild-caught animal added in 1947. The species subsequently became extinct in the wild. Plans for re-introduction from zoo stock are now developing in Mongolia, China, and the U.S.S.R. What remains of this species has been sustained in captivity for as many as 14 generations.

In more recent years, two major improvements have occurred in the application of captive breeding to species preservation and conservation problems. One advance is the development and application of serious science to the re-introduction process. Though early efforts were occasionally successful, as mentioned above, most re-introductions were very casual in methodology and very mediocre in results. Modern approaches are exemplified by the Arabian oryx (*Oryx leucoryx*) which was hunted to extinction in the early 1970s but rescued by zoo-based captive breeding, then very successfully and scientifically re-introduced into Oman with the sponsorship of the Omani royal family under the leadership of Mark Stanley-Price. This species has since been re-introduced into another part of its original range, in Jordan. These experiences have led to an active IUCN/SSC/Re-introduction Specialist Group. Similarly serious scientific approaches are being taken in planning re-introductions of both the California condor (*Gymnogyps californianus*) and the Black-footed ferret (*Mustela nigripes*). Both of these are now extinct in the wild. After controversy delayed capture of the last several wild individuals of each, both are now successfully breeding in captivity. The high fecundity ferrets should be back in the wild less than a decade after their extinction. Captive breeding is being applied in numerous other cases as one tool to help in re-establishing species in areas from which they have been extirpated.

The second major advance is the development of cooperative national, regional, and international conservation management plans for zoo populations of important taxa. From early beginnings in the Anthropoid Ape Advisory Panel and Joint Management of Species Group in the United Kingdom and the development of the Species Survival Plans (SSP) by the American Association of Zoological Parks and Aquariums a decade ago, these cooperative captive conservation programs have expanded to include the Europaiesches Erhaltungszucht Program (EEP) program in zoos in Europe, Species Management Program (SMP) in Australasian zoos, developing programs in the Japanese Association of Zoological Gardens and Aquaria, and elsewhere. Over 150 taxa of all classes of vertebrates as well as the invertebrate genus *Partula* (endemic land snails of Moorea, now extinct in the wild) are now managed cooperatively by groups which total about 400 institutions (about half of the world's recognized zoos and aquariums). These programs use detailed population datasets (both individually-compiled studbooks and the International

Species Information System (ISIS) zoo database network) and contemporary population-and-conservation-biology analysis to support explicit conservation goals. Prime goals are retention of genetic diversity and maintenance of demographic stability (at the right time, generation of surplus for re-introduction). New programs, and coordination and linkage of existing national and regional programs, are being developed through the very active IUCN/SSC/Captive Breeding Specialist Group.

IUCN has already recognized the logic and contributions of captive breeding in the published IUCN Policy Statement on Captive Breeding, 4 Sept. 1987. This document makes the important point that captive breeding programs should be initiated when the wild population is still in the thousands. All too typically, as in the ferret and condor cases, captive options have been resisted until the wild population is less than 20(!), genetic erosion has already begun, the population is at maximum risk and there is no room or time for error, or for learning captive husbandry requirements.

Captive breeding is likely to buy time mostly for megafauna and attractive flora, as there are pre-existing institutions (and publics) interested in them and increasingly dependent on their propagation. Zoological gardens worldwide plan to expand from the 150 species now involved in multi-institution coordinated breeding programs, to perhaps 1,000 species. Botanical gardens are developing programs which may match or exceed this number.

Beyond the fact that the megafauna as a whole is uniquely threatened, captive propagation itself has disproportionate impact. The reasons are multiple:

- The public cares, and cares most about what it can see close to home. This care can be mobilized over time to change laws to better protect habitats and their occupants, protect more areas, even start habitat-restoration projects. Zoological and botanical exhibits of living creatures contribute substantially to nurturing emotional bonds between wild species and urban humans. Captive breeding of species at risk draws further powerful attention – people see the threatened "flagship" creature or plant in television or printed news media and can often go see it in person (or live on videocamera) at the nearby breeding zoo or garden. We are in the early stages of learning to harness this resource, but such attention has already been used to change detrimental laws (Bison, Black footed ferret), acquire and protect new habitat areas (Red wolf, innumerable Nature Conservancy areas) and even start ecosystem restoration projects (Round Island, Mauritius, St Helena).
- The megafauna has large ecological impact. Even though other taxa may have higher total body mass per hectare, megafaunal species often have major effects on succession and patchiness of habitats. If we don't save these pieces for future restored ecosystems, we may have to build robots to emulate their "keystone" roles.
- The megafauna requires the most room. Mobilizing public interest in them generates pressure for adequate wild habitat – areas large enough to operate as at least partially functional ecosystems and large enough to protect innumerable other taxa which can quietly thrive under their megafaunal "umbrella".

It is imperative that zoological and botanical institutions and other specialized facilities continue to increase their focus on threatened taxa. Broad scale review of taxa in need of captive propagation, institutional holdings and capacity, and demonstrated captive-breeding competence, is now being carried out as an integral part of the development of IUCN/SSC Action Plans. The collective zoological capacity is about 560,000 live specimens (International Zoo Yearbook, Vol. 26). Considerable collective competence with thousands of species is in hand. For example, ISIS data indicate that 92% of new zoo mammals are bred in captivity. Captive propagation facilities are developing, and must sustain, genetically and demographically sound captive-bred populations of hundreds, perhaps thousands, of wisely selected taxa. This role is well beyond that imagined when most of these institutions were established, and is beyond that even understood today by many of their funding sources. Nevertheless these programs are making increasingly real contributions to preserving some of the Earth's living heritage.

There will not be a single solution to the biodiversity crisis – it is simply too overwhelming. With luck there will be lots of little answers, each tapping different resources not available to the others, each contributing different pieces to a patchwork solution. This 1990 IUCN Red List identifies species known to be of special concern. Surely we want the readers of the 2000 IUCN Red List and the 2100 IUCN Red List, to find very few additional species marked Ex-extinct. In increasingly many cases, captive breeding is the only way we can keep this from happening.

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INVENTORY REPORT FORM

Report to be mailed to Species Inventory Project, The World Conservation Monitoring Centre, 219(c) Huntingdon Road, Cambridge, CB3 0DL, U.K.

1. Country

2. Date

3. Reporter

Name:

Address:

4. Taxon

Scientific Name:

Common Name:

5. Distribution

Present:

Former:

If possible, please include a map. Is present range preferred or enforced habitat?

6. Population

Estimated numbers in the wild. Indicate date of estimate and describe method of estimation. Are numbers increasing, decreasing or stable?

7. Habitat and Ecology

Biome type. Elevation range. Brief notes about social structure, feeding habits and diet, reproduction (gestation, breeding season, number of young, age of sexual maturation), longevity etc.

8. Scientific interest and potential value

Use in scientific or medical research; commercial value in trade or local economy.

9. Threats

E.g. habitat destruction, over-exploitation, hybridization, natural disasters, competition for food, introductions.

10. Conservation Measures Taken

Legal measures (international conventions, national laws); is law enforced? Protected areas – does it occur in national parks, reserves etc.? If so, please list. Management programmes or research programmes in progress.

11. Conservation Measures Proposed

Same as for 10, but measures that are needed for the conservation of the taxon.

12. Captive Breeding

Numbers in captivity – use ISIS or International Zoo Yearbook. Does it breed readily in captivity?

13. Remarks

Reference citations for description of animal. Comments about related taxa. If the above information concerns a subspecies then brief information should be given about the distribution and status of the species as a whole. Special acknowledgements *etc.*

14. References

Can be published papers, unpublished manuscripts, or references to correspondence (cited as *In litt.*).

DOCUMENTS ON WHICH THE IUCN RED LIST IS BASED

The listing of species in the IUCN Red List of Threatened Animals is based on the information contained in the publications listed below, and on the advice and guidance of the Species Specialist Groups of the IUCN Species Survival Commission. The IUCN/SSC has published recently numerous Species Action Plans which contain extensive information on the conservation status of species. The listings of threatened birds are provided by the International Council for Bird Preservation (ICBP).

Mammals

- Goodwin, H.A. and Holloway, C.W. (1972). *Red Data Book, Vol. 1 – Mammalia*. Second Edition. IUCN, Morges. (Revisions: 1973 and 1974 by Goodwin, H.A. and Holloway, C.W.; 1976 by Fitter, R.S.R. and Holloway, C.W.; and 1978 by Thornback, J.).
- Thornback, J. and Jenkins, M. (1982). Terrestrial Mammals. Part VII. In: *Threatened Species of Wild Flora and Vertebrate Fauna*. Report to the Commission of the European Communities. The Nature Conservancy Council, Great Britain.
- Thornback, J. (1984). Wild Cattle, Bison and Buffaloes; their status and potential value. Report to UNEP. IUCN Conservation Monitoring Centre.
- Thornback, J. and Jenkins, M. (1982). *The IUCN Mammal Red Data Book. Part 1. The Americas and Australasia*. IUCN, Gland.

Birds

- Collar, N.J. and Andrew, P. (1988). *Birds to Watch*. The ICBP World Checklist of Threatened Birds. ICBP Technical Publication No. 8. International Council for Bird Preservation.

Amphibians and Reptiles

- Groombridge, B. (1982). *The IUCN Amphibia-Reptilia Red Data Book. Part 1, Testudines, Crocodylia, Rhynchocephalia*. IUCN, Gland.
- Groombridge, B. (1982). Amphibians and Reptiles. Part IV. In: *Threatened Species of Wild Flora and Vertebrate Fauna*. Report to the Commission of the European Communities. The Nature Conservancy Council, Great Britain.
- Honneger, R. (1975/1979). *Red Data Book, Vol. 3 – Amphibia and Reptilia*. Second Edition. IUCN, Gland.

Fishes

- Harris, J.H. (Ed.) (1987). Proceedings of the Conference on Australian Threatened Fishes. Australian Society for Fish Biology. Melbourne 15-16 August 1985. Division of Fisheries, Department of Agriculture New South Wales. Sydney. 70 pp.

- Michaelis, F.B. (1985). Threatened fish. A Report on the threatened fish of inland waters in Australia. Australian National Parks and Wildlife Service Report 3. 45 pp.
- Miller, R.R. (1977). *Red Data Book, Vol. 4 – Pisces*. Second Edition. IUCN, Morges.
- Miller, R.R., Williams, J.D. and Williams, J.E. (1989). Extinctions of North American Fishes during the Past Century. *Fisheries* 14(6): 2-20.
- Skelton, P.H. (1987). *South African Red Data Book Fishes*. South African National Scientific Programmes Report 137. 19 pp.
- Williams, J.E., Johnson, J.E., Hendrikson, D.A., Contreras-Balderas, S., Williams, J.D., Navarro-Mendoza, M., McAllister, D.E., and Deacon, J.E. (1989). Fishes of North America: Endangered, Threatened, or of Special Concern: 1989. *Fisheries* 14(6): 2-20.

Invertebrates

- Collins, N.M. and Morris, M.G. (1985). *Threatened Swallowtail Butterflies of the World. The IUCN Red Data Book*. IUCN, Gland and Cambridge.
- Collins, N.M. and Wells, S.M. (1986). Insects and other Invertebrates as Candidates for the Berne Convention. A Report to the Council of Europe. IUCN Conservation Monitoring Centre.
- IUCN/SSC Mollusc Specialist Group (1987). Action Plan for Molluscan Conservation: 1988-1992. 32 pp.
- U.S. Department of the Interior. (1984). Endangered and Threatened Wildlife and Plants; Review of Invertebrate Wildlife for Listing as Endangered or Threatened Species. *Federal Register* 49(100): 21664-21675.
- Wells, S.M., Pyle, R.M. and Collins, N.M. (1983). *The IUCN Invertebrate Red Data Book*. IUCN, Gland.

TAXONOMY

The systems of classification and nomenclature principally follow the under-mentioned authors.

Mammals

- Cabrera, A. (1957-61). Catalogo de los mamiferos de America del Sur. *Rev. del Mus. Argent. de Cienc. Nat. "Bernardino Rivadavia"* Cienc. Zool. 4(1,2): 1-732.
- Corbet, G.B. and Hill, J.E. (1980). *A World List of Mammalian Species*. British Museum (Natural History) and Cornell University Press.
- Hall, E.R. and Kelson, K.R. (1959). *The Mammals of North America*. Ronald Press Co., New York.
- Honacki, J.H., Kinman, K.E. and Koepl, J.W. (1982). *Mammal Species of the World: a taxonomic and geographic reference*. Allen Press Inc. and the Association of Systematics Collections, Kansas.
- Lovari, S. (1987). Evolutionary aspects of the biology of chamois, *Rupicapra* spp. (Bovidae, Caprinae). In: Soma, H. (Ed.), *The Biology and Management of Capricornis and related Mountain Antelopes*. Croom Helm, London. Pp 51-61.
- Meester, J. and Setzer, H.W. (Eds) (1971). *The Mammals of Africa: an Identification Manual*. Smithsonian Institution Press, City of Washington.
- Ride, W.D.L. (1970). *A Guide to the Native Mammals of Australia*. Oxford University Press, Melbourne.

Birds

- Morony, J.J., Bock, W.J. and Farrand, J. (1975). *Reference List of the Birds of the World*. American Museum of Natural History, New York.

Reptiles

- Groombridge, B. (1983). *World Checklist of Threatened Amphibians and Reptiles*. Fourth Edition. Nature Conservancy Council, London.
- Iverson, J.B. (1986). *A Checklist with Distribution Maps of the Turtles of the World*. Privately Printed. Paust Printing, Richmond, Indiana.
- Wermuth, H. and Mertens, R. (1977). Testudines, Crocodylia, Rhynchocephalia. *Das Tierreich* 100: 1-174.

Amphibians

- Frost, D.T. (1985). *Amphibian Species of the World: A Taxonomic and Geographical Reference*. Allen Press and the Association of Systematics Collections, Lawrence, Kansas. I-V, 1-732.

Fishes

- Greenwood, P.H. (1979). Towards a phyletic classification of the "genus" *Haplochromis* (Pisces, Cichlidae) and related taxa. Part 1. *Bulletin of the British Museum (Natural History) Zoology Series* 35(4): 265-322.
- Kottelat, M. (1988). Indian and Indochinese species of *Balitora* (Osteichthyes: Cypriniformes) with descriptions of two new species with comments on the family-group names Balitoridae and Homalopteridae. *Revue suisse zoologie* 95: 487-504.
- Nelson, J.S. (1984). *Fishes of the World*. Second Edition. John Wiley and Sons, New York, Chichester, Brisbane, Toronto, Singapore.
- Parenti, L.R. (1981). A phylogenetic and biogeographic analysis of cyprinodontiform fishes (Teleostei, Atherinomorpha). *Bulletin of the American Museum of Natural History* 168(4): 335-557.
- Robins, C.R., Bailey, R.M., Bond, C.E., Brooker, J.R., Lachner, E.A., Lea, R.N., Scott, W.B. (1980). *A List of Common and Scientific Names of Fishes from the United States and Canada*. Fourth Edition. American Fisheries Society Special Pbln. No. 12.
- Rosen, D.E. and Parenti, L.R. (1981). Relationships of *Oryzias* and the groups of Atherinomorph fishes. *American Museum Novitates* 2719: 1-25.
- Trewavas, E. (1983). *Tilapiine Fishes of the genera Sarotherodon, Oreochromis and Danakila*. British Museum (Natural History), London. 583 pp.

Invertebrates

- Hancock, D.L. (1983). Classification of the Papilionidae (Lepidoptera): a phylogenetic approach. *Smithersia* 2: 1-48.
- Parker, S.B. (1982). *Synopsis and Classification of Living Organisms*. McGraw-Hill, New York.

IUCN THREATENED SPECIES CATEGORIES

Species identified as threatened by IUCN are assigned a category indicating the degree of threat. Definitions are as follows:

EXTINCT (Ex)

Species not definitely located in the wild during the past 50 years (criterion as used by the Convention on International Trade in Endangered Species of Wild Fauna and Flora).

N.B. On a few occasions, the category Ex? has been assigned; this denotes that it is virtually certain that the taxon has recently become extinct.

ENDANGERED (E)

Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating.

Included are taxa whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of extinction. Also included are taxa that may be extinct but have definitely been seen in the wild in the past 50 years.

VULNERABLE (V)

Taxa believed likely to move into the "Endangered" category in the near future if the causal factors continue operating.

Included are taxa of which most or all the populations are decreasing because of over-exploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security has not yet been assured; and taxa with populations that are still abundant but are under threat from severe adverse factors throughout their range.

N.B. In practice, "Endangered" and "Vulnerable" categories may include, temporarily, taxa whose populations are beginning to recover as a result of remedial action, but whose recovery is insufficient to justify their transfer to another category.

RARE (R)

Taxa with small world populations that are not at present "Endangered" or "Vulnerable", but are at risk.

These taxa are usually localised within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

INDETERMINATE (I)

Taxa *known* to be "Endangered", "Vulnerable" or "Rare" but where there is not enough information to say which of the three categories is appropriate.

INSUFFICIENTLY KNOWN (K)

Taxa that are *suspected* but not definitely known to belong to any of the above categories, because of lack of information.

K* Taxa which are currently under review by ICBP and which will be designated a category in the near future.

THREATENED (T)

Threatened is a general term to denote species which are "Endangered", "Vulnerable", "Rare", "Indeterminate", or "Insufficiently Known" and should not be confused with the use of the same term by the U.S. Office of Endangered Species. In this volume it is also used to identify taxa comprised of several sub-taxa which have differing status categories.

COMMERCIALLY THREATENED (CT)

Taxa not currently threatened with extinction, but most or all of whose populations are threatened as a sustainable commercial resource, or will become so, unless their exploitation is regulated.

This category applies only to taxa whose populations are assumed to be relatively large.

N.B. In practise, this category has only been used for marine species of commercial importance that are being overfished in several parts of their ranges.

ABBREVIATIONS

Arch.	Archipelago
Eq. Guinea	Equatorial Guinea
F.R.G.	Federal Republic of Germany
F.S.M.	Federated States of Micronesia
I.	Island
Is	Islands
O.	Ocean
sp.	Unnamed species
U.A.E.	United Arab Emirates
U.K.	United Kingdom
U.S.A.	United States of America
U.S.S.R.	Union of Soviet Socialist Republics
□	Former Distribution
*	An important, introduced population

**1990 IUCN RED LIST
OF THREATENED ANIMALS**

MAMMALS



Phylum CHORDATA

Class MAMMALIA

Order MONOTREMATA

Family Tachyglossidae

Zaglossus bruijni

V New Guinea

Order MARSUPIALIA

Family Macropodidae

Bettongia lesueur

Bettongia penicillata

Caloprymnus campestris

Dendrolagus dorianus notatus

Dendrolagus goodfellowi shawmayeri

Dorcopsis atrata

Dorcopsulus macleayi

Lagorchestes asomatus

Lagorchestes hirsutus

Lagorchestes leporides

Lagostrophus fasciatus

Macropus greyi

Onychogalea fraenata

Onychogalea lunata

Petrogale persephone

Potorous longipes

Potorous platyops

Long-beaked Echidna

Burrowing Bettong
Brush-tailed Bettong
Desert Rat-kangaroo
Doria's Tree-kangaroo
Goodfellow's Tree-kangaroo
Black Dorcopsis Wallaby
Papuan Dorcopsis
Central Hare-wallaby
Rufous Hare-wallaby
Eastern Hare-wallaby
Banded Hare-wallaby
Toolache Wallaby
Bridled Naitail Wallaby
Crescent Naitail Wallaby
Proserpine Rock-wallaby
Long-footed Potoroo
Broad-faced Potoroo

R Australia
E Australia
I Australia
V New Guinea
V Papua New Guinea
R Papua New Guinea
R Papua New Guinea
Ex [Australia]
R Australia
Ex [Australia]
R Australia
Ex Australia
E Australia
Ex [Australia]
R Australia
I Australia
Ex [Australia]

Family Phalangeridae

Phalanger lullulae

Woodlark Island Cuscus

E Woodlark I. (Papua New Guinea)

Phalanger permixtio

Phalanger rufoniger

Phalanger vestitus

R Papua New Guinea
R New Guinea
R New Guinea

Family Petauridae <i>Gymnobelideus leadbeateri</i>	Leadbeater's Possum	V	Australia
Family Vombatidae <i>Lasiorhinus krefftii</i>	Northern Hairy-nosed Wombat	E	Australia
Family Peramelidae <i>Chaeropus ecaudatus</i> <i>Echymipera clara</i> <i>Perameles bougainville</i> <i>Perameles eremiana</i>	Pig-footed Bandicoot White-lipped Bandicoot Western Barred Bandicoot Desert Bandicoot	Ex R R Ex	[Australia] New Guinea Australia [Australia]
Family Thylacomyidae <i>Macrotis lagotis</i> <i>Macrotis leucura</i>	Greater Bilby Lesser Bilby	E Ex	Australia [Australia]
Family Dasyuridae <i>Antechinus apicalis</i> <i>Phascogale calura</i> <i>Sminthopsis douglasi</i> <i>Sminthopsis longicaudata</i> <i>Sminthopsis psammophila</i>	Dibbler Red-tailed Phascogale Julia Creek Dunnart Long-tailed Dunnart Sandhill Dunnart	I I I K K	Australia Australia Australia Australia Australia
Family Myrmecobiidae <i>Myrmecobius fasciatus</i>	Numbat	E	Australia
Family Thylacinidae <i>Thylacinus cynocephalus</i>	Thylacine	Ex	[Tasmania]

Order INSECTIVORA

Family Solenodontidae

Solenodon cubanus

Solenodon paradoxus

Cuban Solenodon

Haitian Solenodon

E Cuba

E Hispaniola

Family Tenrecidae

Geogale aurita aurita

Geogale aurita orientalis

Limnogale mengulus

Microgale brevicaudata

Microgale crassipes

Microgale drouhardi

Microgale gracilis

Microgale longicaudata

Microgale longirostris

Microgale majori

Microgale melanorrhachis

Microgale occidentalis

Microgale parvula

Microgale principula

Microgale proluxacaudata

Microgale pulla

Microgale sorella

Microgale taiva

Microgale thomasi

Large-eared Tenrec

Eastern Large-eared Tenrec

Aquatic Tenrec

Short-tailed Shrew-tenrec

Large-footed Shrew-tenrec

Drouhard's Shrew-tenrec

Gracile Shrew-tenrec

Lesser Long-tailed Shrew-tenrec

Long-nosed Shrew-tenrec

Major's Lesser Long-tailed Shrew-tenrec

Striped Shrew-tenrec

Western Short-tailed Shrew-tenrec

Pygmy Shrew-tenrec

Greater Long-tailed Shrew-tenrec

Northern Lesser Long-tailed Shrew-tenrec

Dark Pygmy Shrew-tenrec

Long-tailed Shrew-tenrec

Taivi Shrew-tenrec

Thomas's Shrew-tenrec

K Madagascar

I Madagascar

I Madagascar

K Madagascar

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K Madagascar

Family Potamogalidae

Micropotamogale lamottei

Micropotamogale ruwenzorii

Nimba Otter-shrew

Ruwenzori Otter-shrew

E Guinea, Cote d'Ivoire, Liberia

I Uganda, Zaire

Family Chrysochloridae

<i>Amblysomus gunningi</i>	Gunning's Golden Mole	I	South Africa
<i>Amblysomus iris</i>	Zulu Golden Mole	I	South Africa
<i>Amblysomus julianae</i>	Juliana's Golden Mole	I	South Africa
<i>Chlorotalpa duthiae</i>	Duthie's Golden Mole	R	South Africa
<i>Chlorotalpa obtusirostris</i>	Yellow Golden Mole	R	Mozambique, Zimbabwe, South Africa
<i>Chlorotalpa sclateri</i>	Sclater's Golden Mole	I	South Africa
<i>Chlorotalpa tytonis</i>	Somali Golden Mole	I	Somalia
<i>Chrysochloris visagiei</i>	Visagie's Golden Mole	I	South Africa
<i>Chrysospalax trevelyani</i>	Giant Golden Mole	R	South Africa
<i>Chrysospalax villosus</i>	Rough-haired Golden Mole	V	South Africa
<i>Cryptochloris wintoni</i>	De Winton's Golden Mole	I	South Africa
<i>Cryptochloris zyli</i>	Van Zyl's Golden Mole	I	South Africa
<i>Eremitalpa grantii</i>	Grants' Golden Mole	R	South Africa, Namibia

Family Erinaceidae

<i>Atelerix frontalis</i>	South African Hedgehog	R	Southern Africa
<i>Podogymnura truei</i>	Mindanao Gymnure	V	Philippines

Family Talpidae

<i>Desmana moschata</i>	Russian Desman	V	U.S.S.R.
<i>Galemys pyrenaicus</i>	Pyrenean Desman	V	France, Portugal, Spain

Family Soricidae

<i>Crocidura ansellorum</i>		K	Zambia
<i>Crocidura baileyi</i>		K	Ethiopia
<i>Crocidura congobelgica</i>		K	Zaire
<i>Crocidura crenata</i>		K	Gabon
<i>Crocidura eisenrauti</i>		K	Cameroon
<i>Crocidura glassi</i>		K	Ethiopia
<i>Crocidura grassei</i>		K	Cameroon, C. African Rep., Gabon

Crocidura kivuana
Crocidura lanosa
Crocidura latona
Crocidura longipes
Crocidura lucina
Crocidura ludia
Crocidura manengubae
Crocidura maquassiensis
Crocidura monax
Crocidura nimbae
Crocidura odorata goliath
Crocidura phaeura
Crocidura polia
Crocidura raineyi
Crocidura selina
Crocidura stenocephala
Crocidura tansaniana
Crocidura telfordi
Crocidura thalia
Crocidura thomensis
Crocidura usambarae
Crocidura wimmeri
Crocidura zimmermanni
Myosorex eisentrauti
Myosorex geata
Myosorex longicaudatus
Myosorex polli
Myosorex schalleri
Paracrocidura graueri
Paracrocidura maxima
Suncus remyi
Sylvisorex howelli

Maquassie Musk Shrew

Giant African Forest Shrew

Long-tailed Forest Shrew

Gabon Dwarf Shrew

K	Zaire
K	Rwanda, Zaire
K	Zaire
K	Nigeria
K	Ethiopia
K	Zaire
K	Cameroon
K	South Africa, Zimbabwe
K	Kenya, Tanzania, Zaire
K	Guinea, Cote d'Ivoire, Liberia
Ex	[W. Africa]
K	Ethiopia
K	Zaire
K	Kenya
K	Uganda
K	Zaire
K	Tanzania
K	Tanzania
K	Ethiopia
K	Sao Tome
K	Tanzania
K	Cote d'Ivoire
R	Crete I. (Greece)
K	Cameroon, Eq. Guinea
K	Tanzania
K	South Africa
K	Zaire
K	Zaire
K	Zaire
K	Rwanda, Uganda, Zaire
K	Gabon
K	Tanzania

Sylvisorex ollula
Sylvisorex suncoides

Family Macroscelididae

Petrodromus tetradactylus sangi
Rhynchocyon chrysopygus
Rhynchocyon cirnei cirnei
Rhynchocyon cirnei hendersoni
Rhynchocyon petersi

K Cameroon, Gabon, Zaire
I Rwanda, Uganda, Zaire

Four-toed Elephant-shrew
Golden-rumped Elephant-shrew
Chequered Elephant-shrew
Chequered Elephant-shrew
Black-and-Rufous Elephant-shrew

K Kenya
V Kenya
K Mozambique
R Malawi
R Kenya, Tanzania, Pemba I., Zanzibar

Order CHIROPTERA

Family Pteropodidae

Acerodon lucifer
Alionycteris paucidentata
Apoteles bulmerae
Dobsonia exoleta chapmani
Dobsonia minor
Dyacopterus brooksi
Dyacopterus spadiceus
Latidens salimalii
Megaerops kusnotoi
Nyctimene rabori
Otopteropus cartilagonodus
Pteropus insularis
Pteropus livingstonei
Pteropus macrotis
Pteropus mariannus

Pteropus molossinus
Pteropus niger
Pteropus phaeocephalus
Pteropus pilosus

Panay Giant Fruit Bat

Bulmer's Fruit Bat
Chapman's Fruit Bat
Lesser Naked-backed Fruit Bat

Ex [Panay I. (Philippines)]
K Mindanao (Philippines)
K New Guinea
Ex? Negros I. (Philippines)
K Irian Jaya (Indonesia)
K Sumatra (Indonesia)
K Malaya, Borneo
K S. India
K Java (Indonesia)
E Negros I. (Philippines)
K Luzon (Philippines)
E Truk Is (F.S.M.)
E Comoro Is
I New Guinea, Aru Is
E N. Mariana Is, Palau, Caroline Is,
Guam, Ryukyu Is
E Mortlock and Pohnpei Is (F.S.M.)
V Mauritius
E Mortlock Is (F.S.M.)
Ex [Palau I. (F.S.M.)]

Dayak Fruit Bat

Javan Tail-less Fruit Bat
Philippines Tube-nosed Fruit Bat

Truk Flying Fox
Comoro Black Flying Fox
Big-eared Flying Fox
Marianna Flying Fox

Pohnpei Flying Fox
Mauritian Flying Fox
Mortlock Flying Fox
Large Palau Flying Fox

<i>Pteropus rodricensis</i>	Rodrigues Flying Fox	E	Rodrigues
<i>Pteropus samoensis</i>	Samoa Flying Fox	E	American Samoa, W. Samoa, Fiji
<i>Pteropus seychellensis aldabrensis</i>	Seychelles Flying Fox	V	Aldabra I. (Seychelles)
<i>Pteropus subniger</i>	Lesser Mascarene Flying Fox	Ex	[Mauritius, Reunion]
<i>Pteropus tokudae</i>	Guam Flying Fox	Ex	[Guam (U.S.A.)]
<i>Pteropus tonganus</i>	Insular Flying Fox	I	Karkar I. (New Guinea) to Samoa
<i>Pteropus voeltzkowi</i>	Pemba Flying Fox	E	Pemba I. (Tanzania)
Family Emballonuridae			
<i>Coleura seychellensis</i>	Seychelles Sheath-tailed Bat	E	Seychelles
<i>Emballonura furax</i>	Greater Sheath-tailed Bat	K	New Guinea
<i>Emballonura raffrayana</i>	Raffray's Sheath-tailed Bat	K	Seram I., New Guinea, Solomons
Family Craseonycteridae			
<i>Craseonycteris thonglongyai</i>	Kitti's Hog-nosed Bat	R	Thailand
Family Megadermatidae			
<i>Macroderma gigas</i>	Ghost Bat	V	N. Australia
Family Hipposideridae			
<i>Hipposideros papua</i>	Geelvinck Bay Leaf-nosed Bat	R	Biak I. (Indonesia)
<i>Hipposideros ridleyi</i>	Ridley's Leaf-nosed Bat	I	Singapore, Pen. Malaysia, Sabah
<i>Rhinonictus auranitia</i>	Orange Leaf-nosed Bat	K	N. Australia
Family Phyllostomatidae			
<i>Leptoncycteris nivalis</i>	Mexican Long-nosed Bat	V	S. U.S.A. to Guatemala
<i>Leptoncycteris verbabuenae</i>	Little Long-nosed Bat	V	S. U.S.A. to El Salvador
<i>Phylloncycteris aphylla</i>	Jamaican Flower Bat	K	Jamaica
<i>Phylloncycteris major</i>	Puerto Rican Flower Bat	Ex?	Puerto Rico
<i>Phylloncycteris poeyi</i>	Cuban Flower Bat	K	Cuba, Hispaniola

Family Vespertilionidae

Kerivoula africana
Myzopoda aurita

Tanzanian Woolly Bat
Sucker-footed Bat

Ex? Tanzania
V Madagascar

Family Mystacinidae

Glischropus javanus
Lasiurus cinereus semotus
Myotis bartelsii
Myotis capaccinii
Myotis dasycneme
Myotis grisescens
Myotis hermani
Myotis myotis
Myotis sodalis
Plecotus townsendii

Javan Thick-thumbed Bat
Hawaiian Hoary Bat
Bartel's Myotis
Long-fingered Bat
Pond Bat
Grey Bat
Herman's Myotis
Mouse-eared Bat
Indiana Bat
Townsend's Big-eared Bat

K Java (Indonesia)
I Hawaii (U.S.A.)
K Java (Indonesia)
V Europe, S. Asia Minor, N.W. Africa
K Europe to Siberia
E U.S.A.
R N.W. Sumatra (Indonesia)
K Europe to Ukraine
V U.S.A.
I Canada, Mexico, U.S.A.

Family Molossidae

Mystacina robusta
Mystacina tuberculata
Otomops formosus

New Zealand Lesser Short-tailed Bat
New Zealand Greater Short-tailed Bat
Javan Mastiff Bat

Ex [New Zealand]
V New Zealand
K Java (Indonesia)

Order PRIMATES

Family Cheirogaleidae

Allocebus trichotis
Mirza coquereli
Phaner furcifer

Hairy-eared Dwarf Lemur
Coquerel's Dwarf Lemur
Fork-marked Dwarf Lemur

E Madagascar
V Madagascar
R Madagascar

Family Megaladapidae

Lepilemur dorsalis
Lepilemur edwardsi
Lepilemur leucopus

Grey-backed Sportive Lemur
Milne-Edwards' Sportive Lemur
White-footed Sportive Lemur

V Madagascar
R Madagascar
R Madagascar

Family Daubentonidae
Daubentonia madagascariensis

E Madagascar

Family Lorisidae

- Arctocebus calabarensis*
- Galago thomasi*
- Galago zanzibarius*
- Nycticebus pygmaeus*

- Angwantibo
- Thomas's Bushbaby
- Zanzibar Bushbaby
- Pygmy Loris

K West Africa
K East Africa
V East Africa
V Indochina

Family Tarsiidae

- Tarsius pumilus*
- Tarsius syrichta*

- Lesser Spectral Tarsier
- Philippine Tarsier

I Sulawesi (Indonesia)
E Philippines

Family Cebidae

- Alouatta fusca*
- Alouatta villosa*
- Ateles belzebuth*
- Ateles fusciceps*
- Ateles geoffroyi*
- Ateles paniscus*
- Brachyteles arachnoides*
- Cacajao calvus*
- Cacajao melanocephalus*
- Callicebus personatus*
- Chiropotes albinasus*
- Chiropotes satanas satanas*
- Lagothrix flavicauda*
- Lagothrix lagotricha*
- Saimiri oerstedii*

- Brown Howler Monkey
 - Guatemalan Black Howler Monkey
 - Long-haired Spider Monkey
 - Brown-headed Spider Monkey
 - Geoffroy's Spider Monkey
 - Black Spider Monkey
 - Woolly Spider Monkey
 - Red and White Uakari
 - Black-headed Uakari
 - Masked Titi
 - White-nosed Saki
 - Southern Bearded Saki
 - Yellow-tailed Woolly Monkey
 - Woolly Monkey
 - Central American Squirrel Monkey
- V Brazil
K Belize, Guatemala, Mexico
V South America
V Panama, Colombia, Ecuador
V Central America, Mexico
V South America
E Brazil
V Brazil, Colombia, Peru
V Brazil, Colombia, Venezuela
E Brazil
V Brazil
E Brazil
E Peru
V South America
E Costa Rica, Panama

Family Callitrichidae

Callimico goeldii
Callithrix argentata leucippe
Callithrix aurita
Callithrix flaviceps
Callithrix humeralifer chrysoleuca
Callithrix humeralifer intermedius
Leontopithecus caissara
Leontopithecus chrysomelas
Leontopithecus chrysopygus
Leontopithecus rosalia
Saguinus bicolor
Saguinus imperator
Saguinus leucopus
Saguinus oedipus oedipus

Family Cercopithecidae

Allenopithecus nigroviridis
Cercocebus aterrimus
Cercocebus galeritus galeritus
Cercocebus galeritus sanje
Cercocebus torquatus
Cercopithecus diana
Cercopithecus erythrogaster
Cercopithecus erythrotis
Cercopithecus erythrotis sclateri
Cercopithecus hamlyni
Cercopithecus lhoesti
Cercopithecus preussi
Cercopithecus salongo
Cercopithecus solatus

Goeldi's Marmoset
White Marmoset
Buffy-tufted-ear Marmoset
Buffy-headed Marmoset
Santarem Marmoset
Santarem Marmoset
Black-faced Lion Tamarin
Golden-headed Lion Tamarin
Black Lion Tamarin
Golden Lion Tamarin
Pied Tamarin
Emperor Tamarin
White-footed Tamarin
Cotton-top Tamarin

Allen's Swamp Monkey
Black Mangabey
Tana River Mangabey
Sanje Crested Mangabey
Collared Mangabey
Diana Monkey
White-throated Guenon
Russet-eared Guenon
White-throated Guenon
Owl-faced Guenon
L'Hoest's Guenon
Preuss's Guenon
Salongo Guenon
Sun-tailed Guenon

R South America
V Brazil
E Brazil
E Brazil
K Brazil
K Brazil
E Brazil
E Brazil
E Brazil
E Brazil
E Brazil
I Bolivia, Brazil, Peru
E Colombia
E Colombia
K Angola, Congo, Zaire
K N. Angola, C. Zaire
E Kenya
E Tanzania
V West Africa
V West Africa
E Benin, Nigeria
V Cameroon, Bioko, Nigeria
E Nigeria
V Rwanda, Uganda, Zaire
V Burundi, Rwanda, Uganda, Zaire
E Cameroon, Bioko, Nigeria
V Zaire
V Gabon

<i>Colobus satanas</i>		Black Colobus	E	Cameroon, Congo, Eq. Guinea, Gabon
<i>Mandrillus leucophaeus</i>		Drill	E	Cameroon, Eq. Guinea, Nigeria
<i>Mandrillus sphinx</i>		Mandrill	V	Cameroon, Congo, Eq. Guinea, Gabon
<i>Papio hamadryas</i>		Hamadryas Baboon	R	Ethiopia, Somalia, S. Arabia
<i>Procolobus [b.] badius badius</i>		Bay Colobus	V	Guinea, Cote d'Ivoire, Liberia, Sierra Leone
<i>Procolobus [b.] badius temminckii</i>		Temminck's Red Colobus	R	Gambia, Guinea, Guinea-Bissau, Senegal
<i>Procolobus [b.] badius waldroni</i>		Miss Waldron's Bay Colobus	E	Ghana, Cote d'Ivoire
<i>Procolobus [b.] gordonorum</i>		Uhehe Red Colobus	E	Tanzania
<i>Procolobus [b.] kirkii</i>		Zanzibar Red Colobus	E	Zanzibar
<i>Procolobus [b.] pennanti</i>		Pennant's Red Colobus	E	Cameroon
<i>Procolobus [b.] pennanti bouvieri</i>		Bouvier's Red Colobus	E	Congo
<i>Procolobus [b.] pennanti pennanti</i>		Pennant's Red Colobus	E	Eq. Guinea
<i>Procolobus [b.] pennanti preussi</i>		Preuss's Red Colobus	E	Cameroon, Nigeria
<i>Procolobus [b.] rufomitratatus</i>		Eastern Red Colobus	V	East & Central Africa
<i>Procolobus [b.] rufomitratatus ellioti</i>		Elliot's Red Colobus	K	Uganda, Zaire
<i>Procolobus [b.] rufomitratatus foai</i>		Foa Red Colobus	K	Zaire
<i>Procolobus [b.] rufomitratatus oustaleti</i>		Oustalet's Red Colobus	K	Sudan, Zaire
<i>Procolobus [b.] rufomitratatus rufomitratatus</i>		Tana River Red Colobus	E	Kenya
<i>Procolobus [b.] rufomitratatus tephrosceles</i>		Uganda Red Colobus	V	Burundi, Tanzania, Uganda, Zaire
<i>Procolobus [b.] rufomitratatus tholloni</i>		Thollon's Red Colobus	K	Zaire
<i>Procolobus [badius] badius</i>		Western Red Colobus	V	West Africa
<i>Procolobus verus</i>		Olive Colobus	R	West Africa
<i>Theropithecus gelada</i>		Gelada Baboon	R	Ethiopia
<i>Macaca brunneescens</i>		Muna-Butung Macaque	K	Sulawesi (Indonesia)
<i>Macaca cyclopis</i>		Taiwan Macaque	V	Taiwan
<i>Macaca fuscata yakui</i>		Yakushima Macaque	E	Japan
<i>Macaca hecki</i>		Heck's Macaque	V	Sulawesi (Indonesia)
<i>Macaca maura</i>		Moor Macaque	V	Sulawesi (Indonesia)

<i>Macaca pagensis</i>	Mentawai Macaque	E	Mentawai Is (Indonesia)
<i>Macaca silenus</i>	Lion-tailed Macaque	E	S. India
<i>Macaca sylvanus</i>	Barbary Macaque	V	Algeria, Gibraltar*, Morocco
<i>Macaca thibetana</i>	Tibetan Macaque	K	China
<i>Nasalis larvatus</i>	Proboscis Monkey	V	Borneo
<i>Presbytis comata</i>	Javan Leaf Monkey	E	Java (Indonesia)
<i>Presbytis potenziani</i>	Mentawai Leaf Monkey	E	Mentawai Is (Indonesia)
<i>Pygathrix nemaeus</i>	Red-shanked Douc Langur	E	C. Vietnam, E.C. Laos
<i>Pygathrix nigripes</i>	Black-shanked Douc Monkey	E	S. Vietnam, S. Laos, E. Cambodia
<i>Rhinopithecus auunculus</i>	Tonkin Snub-nosed Monkey	E	N. Vietnam
<i>Rhinopithecus bieti</i>	Yunnan Snub-nosed Monkey	E	China
<i>Rhinopithecus brelichi</i>	Guizhou Snub-nosed Monkey	E	China
<i>Rhinopithecus roxellanae</i>	Sichuan Golden Snub-nosed Monkey	V	China
<i>Simias concolor</i>	Pig-tailed Langur	E	Mentawai Is (Indonesia)
<i>Trachypithecus francoisi</i>	Tonkin Leaf Monkey	E	Indochina
<i>Trachypithecus geei</i>	Golden Leaf Monkey	R	Bhutan, India
<i>Trachypithecus johnii</i>	Nilgiri Leaf Monkey	E	S. India
<i>Trachypithecus leucocephalus</i>	White-headed Black Leaf Monkey	E	S. China
Family Hylobatidae			
<i>Hylobates concolor</i>	Black Gibbon	V	China, Indochina
<i>Hylobates hoolock</i>	Hoolock Gibbon	V	Bangladesh to Yunnan (China)
<i>Hylobates klossi</i>	Kloss's Gibbon	E	Mentawai Is (Indonesia)
<i>Hylobates moloch</i>	Javan Gibbon	E	Java (Indonesia)
<i>Hylobates pileatus</i>	Pileated Gibbon	E	Indochina, Thailand
<i>Pongo pygmaeus</i>	Orang-utan	E	Borneo, Sumatra
Family Pongidae			
<i>Gorilla gorilla</i>	Gorilla	V	Equatorial Africa
<i>Gorilla gorilla berengei</i>	Mountain Gorilla	E	Rwanda, Uganda, Zaire
<i>Gorilla gorilla graueri</i>	Eastern Lowland Gorilla	E	E. Zaire
<i>Pan paniscus</i>	Pygmy Chimpanzee	V	Congo, Zaire

Pan troglodytes
Pan troglodytes verus

Chimpanzee
West African Chimpanzee

V Equatorial Africa
E West Africa

Order EDENTATA
Family Myrmecophagidae
Myrmecophaga tridactyla

Giant Anteater

V Central & South America

Family Bradypodidae
Bradypus torquatus

Maned Sloth

E Brazil

Family Dasypodidae
Chlamyphorus retusus
Chlamyphorus truncatus
Priodontes giganteus
Tolypeutes tricinctus

Burmeister's Armadillo
Pink Fairy Armadillo
Giant Armadillo
Brazilian Three-banded Armadillo

K Argentina, Bolivia, Paraguay
K Argentina
V South America
I Brazil

Order LAGOMORPHA
Family Ochotonidae
Ochotona koslowi
Ochotona muliensis
Prolagus sardus

Kozlov's Pika

V China

Sardinian Pika

R China
Ex [Sardinia, Corsica]

Family Leporidae
Bunolagus monticularis
Caprolagus hispidus
Lepus flavigularis
Nesolagus netscheri
Pentalagus furnessi
Romerolagus diazi
Sylvilagus graysoni
Sylvilagus insonus
Sylvilagus palustris hefneri

Riverine Rabbit
Hispid Hare
Tehuantepec Hare
Sumatran Short-eared Rabbit
Anami Rabbit
Volcano Rabbit
Tres Marias Cottontail
Omilteme Cottontail
Lower Keys Rabbit

E South Africa
E Himalayan foothills
E Mexico
I Sumatra (Indonesia)
E Ryukyu Is (Japan)
E Mexico
E Tres Marias Is (Mexico)
Ex [Mexico]
E U.S.A.

Order RODENTIA

Family Aplodontidae

Aplodontia rufa nigra

Aplodontia rufa phaea

Point Arena Mountain Beaver
Point Reyes Mountain Beaver

I California (U.S.A.)
I California (U.S.A.)

Family Sciuridae

Cynomys mexicanus

Cynomys parvidens

Eutamias minimus atristriatus

Eutamias quadrivittatus australis

Glaucomys sabrinus coloratus

Glaucomys sabrinus fuscus

Glaucomys volans goldmani

Glaucomys volans guerrerensis

Glaucomys volans oaxacensis

Marmota menzbieri

Marmota vancouverensis

Ratufa indica dealbata

Ratufa indica elphinstonei

Sciurus niger cinereus

Syntheosciurus brochus

Tamiasciurus hudsonicus grahamensis

Mexican Prairie Dog

Utah Prairie Dog

Least Chipmunk

Colorado Chipmunk

Carolina Northern Flying Squirrel

Virginia Northern Flying Squirrel

Mexican Flying Squirrel

Menzbier's Marmot

Vancouver Island Marmot

Dangs Giant Squirrel

Maharashtra Giant Squirrel

Delmarva Fox Squirrel

Mountain Squirrel

Mount Graham Red Squirrel

E Mexico

V U.S.A.

E New Mexico (U.S.A.)

E New Mexico (U.S.A.)

E U.S.A.

E U.S.A.

R Mexico

R Mexico

R Mexico

V Kazakhstan, Uzbekistan (U.S.S.R.)

E Vancouver I. (Canada)

E India

E India

E U.S.A.

K Costa Rica, Panama

E Arizona (U.S.A.)

Family Geomyidae

Thomomys umbrinus emotus

Zygogeomys trichopus

Southern Pocket Gopher

Michoacan Pocket Gopher

R New Mexico (U.S.A.)

I Mexico

Family Heteromyidae

Dipodomys elator

Dipodomys graupes

Dipodomys heermanni morroensis

Texas Kangaroo Rat

San Quintin Kangaroo Rat

Morro Bay Kangaroo Rat

R Texas (U.S.A.)

E Baja California (Mexico)

E California (U.S.A.)

<i>Dipodomys ingens</i>	Giant Kangaroo Rat	I	California (U.S.A.)
<i>Dipodomys microps leucotis</i>	Housetooth Chisel-toothed Kangaroo Rat	K	Arizona (U.S.A.)
<i>Dipodomys nitratoides exilis</i>	Fresno Kangaroo Rat	E	California (U.S.A.)
<i>Dipodomys nitratoides nitratoides</i>	Tipton Kangaroo Rat	E	California (U.S.A.)
<i>Dipodomys stephensi</i>	Stephens Kangaroo Rat	E	California (U.S.A.)
<i>Perognathus alticola</i>	White-eared Pocket Mouse	V	California (U.S.A.)
<i>Perognathus inornatus psammophilus</i>	Salinas Pocket Mouse	E	California (U.S.A.)
<i>Perognathus longimembris brevinasus</i>	Los Angeles Pocket Mouse	E	California (U.S.A.)
Family Castoridae			
<i>Castor canadensis frondator</i>	Broad-tail Beaver	E	Mexico
<i>Castor canadensis mexicanus</i>	Rio Grande Beaver	E	Mexico
<i>Castor fiber bindai</i>		E	Mongolia
Family Cricetidae			
<i>Neotoma anthonyi</i>	Anthony's Wood Rat	E	Mexico
<i>Neotoma bunker</i>	Bunker's Wood Rat	E	Mexico
<i>Neotoma floridana smalli</i>	Key Largo Wood Rat	E	U.S.A.
<i>Neotoma fuscipes riparia</i>	San Joaquin Valley Wood Rat	V	California (U.S.A.)
<i>Neotoma martinensis</i>	San Martin Island Wood Rat	E	Mexico
<i>Oryzomys argentatus</i>	Silver Rice Rat	I	Florida (U.S.A.)
<i>Oryzomys nelsoni</i>	Nelson's Rice Rat	Ex?	Mexico
<i>Peromyscus gossypinus allapaticola</i>	Key Largo Cotton Mouse	E	U.S.A.
<i>Peromyscus pembertoni</i>	Pemberton's Deer Mouse	Ex	[Mexico]
<i>Peromyscus polionotus alloparys</i>	Choctawhatchee Beach Mouse	E	U.S.A.
<i>Peromyscus polionotus ammobates</i>	Alabama Beach Mouse	E	U.S.A.
<i>Peromyscus polionotus niveiventris</i>	Southeastern Beach Mouse	I	U.S.A.
<i>Peromyscus polionotus phasma</i>	Anastasia Island Beach Mouse	E	U.S.A.
<i>Peromyscus polionotus trissyllepsis</i>	Perdido Key Beach Mouse	E	U.S.A.
<i>Reithrodontomys megalotis limicola</i>	Southern Marsh Harvest Mouse	V	California (U.S.A.)
<i>Reithrodontomys rawiventris</i>	Salt-marsh Harvest Mouse	E	California (U.S.A.)
<i>Sigmodon arizonae plenus</i>	Colorado River Cotton Rat	E	California (U.S.A.)

Rattus giluwensis
Solomys ponceleti
Tokudaia osimensis muenninki
Xenuromys barbatus
Xeromys myoides
Zyromys pedunculatus

Family Zapodidae

Zapus hudsonicus luteus
Zapus trinotatus orarius

Family Erithizontidae

Chaetomys subspinosus

Family Dinomyidae

Dinomys branickii

Family Chinchillidae

Chinchilla brevicaudata
Chinchilla lanigera

Family Capromyidae

Capromys angelcabrerai
Capromys auritus
Capromys brownii
Capromys garridoi
Capromys gundlachi
Capromys melanurus
Capromys meridionalis
Capromys nanus
Capromys sanfelipensis
Geocapromys brownii

Giluwe Rat
Poncelet's Giant Rat
Ryukyu Spiny Rat
Rock-dwelling Rat
False Water-rat
Central Rock-rat

Meadow Jumping Mouse
Point Reyes Jumping Mouse

Thin-spined Porcupine

Short-tailed Chinchilla
Long-tailed Chinchilla

Cabrera's Hutia
Large-eared Hutia
Jamaican Hutia
Garrido's Hutia
Chapman's Prehensile-tailed Hutia
Bushy-tailed Hutia
Isla de la Juventud Tree Hutia
Dwarf Hutia
Little Earth Hutia
Jamaican Hutia

R Australia
E Australia
E Ryukyu Is (Japan)
R Australia
R Australia
E Australia

E New Mexico (U.S.A.)
I California (U.S.A.)

I Brazil

E Brazil, Peru, Ecuador, Venezuela

I Andes
I Chile

E Cuba
E Cuba
I Jamaica
E Cuba
I Cuba
R Cuba
I Cuba
E Cuba
E Cuba
R Jamaica

<i>Geocapromys ingrahami</i> <i>Plagiodontia aedium</i>	Bahamian Hutia Hispaniolan Hutia	R R	Bahamas Hispaniola
Family Octodontidae <i>Tympanoctomys barrerae</i>	Red Vizcacha Rat	V	Argentina
Order CETACEA Family Iniidae <i>Inia geoffrensis</i>	Boto, Amazon River Dolphin	V	South America
Family Platanistidae <i>Lipotes vexillifer</i> <i>Platanista gangetica</i> <i>Platanista minor</i> <i>Pontoporia blainvillei</i>	Bajji, Yangtze River Dolphin Ganges River Dolphin Indus River Dolphin Franciscana, La Plata Dolphin	E V E K	Yangtze R. (China) India, Bangladesh, Nepal, Bhutan Pakistan Argentina, Brazil, Uruguay
Family Delphinidae <i>Cephalorhynchus commersonii</i> <i>Cephalorhynchus eutropia</i> <i>Cephalorhynchus heavisidii</i> <i>Cephalorhynchus hectori</i> <i>Orcaella brevirostris</i>	Commerson's Dolphin Black Dolphin Heaviside's Dolphin Hector's Dolphin Irrawaddy Dolphin	K K K V K	Coastal South Atlantic Coastal Chile Coastal South Africa & Namibia Coastal New Zealand Rivers & coasts from Bay of Bengal to N. Australia
<i>Phocoena phocoena</i> <i>Phocoena sinus</i>	Harbour Porpoise Vaquita	K E	Coastal waters of N. Hemisphere Gulf of California (Mexico)
Family Monodontidae <i>Delphinapterus leucas</i> <i>Monodon monoceros</i>	White Whale Narwhal	K K	Arctic & sub-Arctic Ocean Arctic Ocean
Family Ziphiidae <i>Hyperoodon ampullatus</i>	Northern Bottlenose Whale	V	North Atlantic

Family Balaenopteridae

- Balaenoptera musculus*
- Balaenoptera physalus*
- Megaptera novaeangliae*

- Blue Whale
- Fin Whale
- Humpback Whale

- E All Oceans
- V All Oceans
- V All Oceans

Family Balaenidae

- Balaena mysticetus*
- Eubalaena australis*

- Bowhead Whale
- Southern Right Whale

- V Arctic, N. Atlantic & N. Pacific Oceans
- V S. Atlantic, Pacific, Indian & Southern Oceans

- Eubalaena glacialis*

- Northern Right Whale

- E N. Atlantic & N. Pacific Oceans

Order CARNIVORA

Family Canidae

- Canis lupus*
- Canis rufus*
- Canis simensis*
- Chrysocyon brachyurus*
- Cuon alpinus*
- Dusicyon australis*
- Dusicyon griseus*
- Dusicyon (Atelocynus) microtis*
- Dusicyon sechurae*
- Dusicyon vetulus*
- Fennecus zerdä*
- Lycan pictus*
- Speothos venaticus*
- Urocyon littoralis*
- Vulpes bengalensis*
- Vulpes cana*

- Grey Wolf
- Red Wolf
- Simien Jackal
- Maned Wolf
- Dhole
- Falkland Island Wolf
- Grey Zorro
- Small-eared Zorro
- Sechuran Zorro
- Hoary Zorro
- Fennec Fox
- African Wild Dog
- Bush Dog
- Island Grey Fox
- Bengal Fox
- Blanford's Fox

- V North America, Middle East, Eurasia
- E U.S.A.
- E Ethiopia
- V South America
- V Asia
- Ex [Falkland Is]
- V Argentina, Chile, Ecuador
- K South America
- K Ecuador, Peru
- K Brazil
- K North Africa
- E Sub-Saharan Africa
- V South America
- R California (U.S.A.)
- I India, Pakistan, S. Nepal
- K U.S.S.R., Afghanistan, Iran, Pakistan

Vulpes corsac
Vulpes pallida
Vulpes rueppelli

Family Ursidae

Ailuropoda melanoleuca
Helarctos malayanus
Melursus ursinus
Tremarctos ornatus
Ursus arctos nelsoni
Ursus maritimus
Ursus thibetanus
Ursus thibetanus gedrosianus

Family Procyonidae

Ailurus fulgens
Nasua nelsoni
Procyon gloueralleni
Procyon pygmaeus

Family Mustelidae

Aonyx cinerea
Conepatus mesoleucus telmalestes
Gulo gulo
Lutra felina
Lutra longicaudis longicaudis
Lutra lutra lutra
Lutra perspicillata
Lutra prouocax
Lutra sumatrana
Martes flavigula chrysospila
Martes gwatkinsi

Corsac Fox
Pale Fox
Ruepell's Fox

Giant Panda
Sun Bear
Sloth Bear
Spectacled Bear
Mexican Grizzly Bear
Polar Bear
Asiatic Black Bear
Baluchistan Bear

Red Panda
Cozumel Island Coati
Barbados Raccoon
Cozumel Island Raccoon

Oriental Small-clawed Otter
Big Thicket Hog-nosed Skunk
Wolverine
Marine Otter
La Plata Otter
European Otter
Smooth-coated Otter
Southern River Otter
Hairy-nosed Otter
Taiwan Yellow-throated Marten
Nilgiri Marten

K U.S.S.R., Mongolia, China
K North Africa
K North Africa and Middle East

E China
V Eastern Asia
V India, Nepal, Sri Lanka
V South America
Ex [Mexico, U.S.A.]
V Arctic
V Southern Asia
E Iran, Pakistan

K Nepal to China
K Cozumel I. (Mexico)
Ex? Barbados
K Cozumel I. (Mexico)

K Asia
I Texas (U.S.A.)
V Eurasia, North America
V Coastal Chile & Peru, [Argentina]
V South America
V Eurasia
K Asia
V W. Argentina, C. & S. Chile
K South-east Asia
I Taiwan
I S. India

Martes melampus tsuensis
Melogale everetti
Melogale orientalis
Mustela lutreola
Mustela lutreolina
Mustela nigripes
Pteronura brasiliensis
Vormela peregusna peregusna

Family Viverridae

Arctogalidia trivirgata trilineata
Bdeogale crassicauda omnivora
Bdeogale jacksoni
Chrotogale owstoni
Cryptoprocta ferox
Cynogale bennettii
Eupleres goudotii
Fossa fossana
Galidictis fasciata
Galidictis grandidiensis
Genetta abyssinica
Genetta genetta isabellae
Genetta johnstoni
Liberictis kuhni
Macrogalidia musschenbroekii
Mungotictis decemlineata
Paradoxurus jerdoni
Paradoxurus lignicolor
Poiana richardsoni liberiensis
Salanoia concolor
Vierra civettina

Tsushima Island Marten
Kinabalu Ferret-badger
Javan Ferret-badger
European Mink
Indonesian Mountain Weasel
Black-footed Ferret
Giant Otter
European Marbled Polecat

Javan Small-toothed Palm Civet
Sokoike Bushy-tailed Mongoose
Jackson's Mongoose
Owston's Palm Civet
Fossa
Otter Civet
Falanouc
Malagasy Civet
Malagasy Broad-striped Mongoose
Giant-striped Mongoose
Abyssinian Genet
Ibiza Common Genet
Johnston's Genet
Liberian Mongoose
Sulawesi Palm Civet
Malagasy Narrow-striped Mongoose
Jerdon's Palm Civet
Mentawai Palm Civet
Leighton's Linsang
Malagasy Brown-tailed Mongoose
Malabar Civet

I Japan
K Sabah (Malaysia)
K Java (Indonesia)
V Europe
K Java, S. Sumatra (Indonesia)
E U.S.A.
V South America
V C. Europe to Greece & Turkey

I Java (Indonesia)
E N. Coastal Tanzania, Kenya
K Kenya, Uganda
K Indochina
K Madagascar
K South-east Asia
V Madagascar
V Madagascar
I Madagascar
K Madagascar
K Ethiopia, Somalia
R Spain
K Liberia, Guinea
E Liberia, Cote d'Ivoire, Guinea
R Sulawesi (Indonesia)
V Madagascar
I S. India
E Sumatra (Indonesia)
I Liberia, Cote d'Ivoire, Sierra Leone
K Madagascar
E West Ghats (India)

Family Hyaenidae

Hyaena brunnea

Hyaena hyaena barbara

Brown Hyaena
Barbary Hyaena

V Southern Africa
E Algeria, Morocco, Tunisia

Family Felidae

Acinonyx jubatus

Acinonyx jubatus venaticus

Felis badia

Felis caracal michaelis

Felis concolor coryi

Felis concolor cougar

Felis iriomotensis

Felis jacobita

Felis margarita scheffeli

Felis marmorata

Felis pardalis

Felis pardina

Felis planiceps

Felis rubiginosa

Felis temminckii

Felis tigrina

Felis wiedii

Felis yagouaroundi

Neofelis nebulosa

Panthera leo persica

Panthera onca

Panthera pardus

Panthera tigris

Panthera uncia

Cheetah
Asiatic Cheetah
Bornean Bay Cat
Turkmenian Caracal Lynx
Florida Cougar
Eastern Cougar
Iriomote Cat
Andean Cat
Pakistan Sand Cat
Marbled Cat
Ocelot
Pardel Lynx
Flat-headed Cat
Rusty-spotted Cat
Asiatic Golden Cat
Little Spotted Cat
Margay
Jaguarundi
Clouded Leopard
Asiatic Lion
Jaguar
Leopard
Tiger
Snow Leopard

V Africa, Middle East, Iran, [India]
E Iran, [India]
R Borneo
R U.S.S.R.
E U.S.A.
E Canada, U.S.A.
E Ryukyu Is (Japan)
R Andes
E Pakistan
I Asia
V U.S.A., Central & South America
E Portugal, Spain
I South-east Asia
K India, Sri Lanka
I Asia
V Central & South America
V Central & South America
I U.S.A., Central & South America
V Asia
E Gujarat (India)
V U.S.A., Central & South America
T Africa, Middle East, Asia
E Asia
E Asia

Order PINNIPEDIA

Family Otariidae

Arctocephalus philippii
Arctocephalus townsendi
Odobenus rosmarus laptevi
Zalophus californianus japonicus

Juan Fernandez Fur Seal
 Guadalupe Fur Seal
 Laptev Walrus
 Japanese Sea Lion

V Chile
 V Mexico, U.S.A.
 K U.S.S.R.
 Ex? Japan, North & South Korea

Family Phocidae

Monachus monachus
Monachus schauinslandi
Monachus tropicalis
Phoca hispida saimensis
Phoca vitulina stejnegeri

Mediterranean Monk Seal
 Hawaiian Monk Seal
 Caribbean Monk Seal
 Saimaa Seal
 Kuril Seal

E Mediterranean & Mauritanian coasts
 E Hawaii (U.S.A.)
 Ex? Caribbean
 E Finland
 V Kuril Sea

Order PROBOSCIDEA

Family Elephantidae

Elephas maximus
Loxodonta africana

Indian Elephant
 African Elephant

E Asia
 V Africa

Order HYRACOIDEA

Family Procviidae

Dendrohyrax validus

Eastern Tree Dassie

K Tanzania, Pemba I., Zanzibar

Order SIRENIA

Family Dugongidae

Dugong dugon

Dugong

V Coastal Indian & Western Pacific Oceans

Hydrodamalis gigas

Steller's Sea Cow

Ex [Bering Sea, North Pacific Ocean]

Family Trichechidae

Trichechus inunguis
Trichechus manatus

Amazonian Manatee
 West Indian Manatee

V Amazon Basin
 V Caribbean & South American Coasts & Rivers

Trichechus senegalensis

Order PERISSODACTYLA

Family Equidae

- Equus africanus*
- Equus grevyi*
- Equus hemionus*
- Equus hemionus hemippus*
- Equus hemionus khur*
- Equus przewalskii*
- Equus quagga quagga*
- Equus zebra hartmannae*
- Equus zebra zebra*

Family Tapiridae

- Tapirus bairdii*
- Tapirus indicus*
- Tapirus pinchaque*

Family Rhinocerotidae

- Ceratotherium simum cottoni*
- Diceros bicornis*
- Didermoceros sumatrensis*
- Rhinoceros sondaicus*
- Rhinoceros unicornis*

Order ARTIODACTYLA

Family Suidae

- Babyrussa babyrussa*
- Sus barbatus cebifrons*
- Sus barbatus oi*
- Sus salvanius*

West African Manatee

- African Wild Ass
- Grevy's Zebra
- Asiatic Wild Ass
- Syrian Wild Ass
- Indian Wild Ass
- Przewalski's Horse
- True Quagga
- Hartmann's Mountain Zebra
- Cape Mountain Zebra

- Central American Tapir
- Malayan Tapir
- Mountain Tapir

- Northern Square-lipped Rhinoceros
- Black Rhinoceros
- Sumatran Rhinoceros
- Javan Rhinoceros
- Great Indian Rhinoceros

Babirusa

- Visayan Warty Pig
- Western Bearded Pig
- Pygmy Hog

V West Africa

- E North-east Africa
- E Ethiopia, Kenya, [Somalia]
- V Asia
- Ex [Syria]
- E Pakistan, India
- Ex? Mongolia, China
- Ex [South Africa]
- V Angola, Namibia
- E South Africa

- V Central & North-west South America
- E South-east Asia
- V North-west South America

- E Zaire, S. Sudan
- E Africa
- E South-east Asia
- E Java (Indonesia), Vietnam
- E India, Nepal

V Sulawesi, Buru, Sulu & Togian Is (Indonesia)

- V Visayan Is (Philippines)
- V Malaysia, Indonesia
- E [Bangladesh], India, Nepal

Sus scrofa riukiuanus
Sus verrucosus

Ryukyu Islands' Wild Pig
Javan and Bawean Warty Pigs

V Ryukyu Is (Japan)
V Java & Bawean I. (Indonesia)

Family Tayassuidae

Catagonus wagneri

Chacoan Peccary

V Argentina, Bolivia, Paraguay

Family Hippopotamidae

Choeropsis liberiensis

Pygmy Hippopotamus

V West Africa

Family Camelidae

Camelus bactrianus

Vicugna vicugna

Wild Bactrian Camel

V Mongolia, China

V Andes

Family Cervidae

Axis calamianensis

Axis kuhli

Blastocerus dichotomus

Cervus albirostris

Cervus alfredi

Cervus duvauceli

Cervus elaphus bactrianus

Cervus elaphus barbarus

Cervus elaphus corsicanus

Cervus elaphus hanglu

Cervus elaphus macneilli

Cervus elaphus wallichi

Cervus elaphus yarkandensis

Cervus eldi

Cervus eldi eldi

Cervus eldi siamensis

Cervus nippon grassianus

Cervus nippon keramae

Calamian Deer

Kuhl's Deer

Marsh Deer

Thorold's Deer

Visayan Spotted Deer

Swamp Deer

Bactrian Deer

Barbary Deer

Corsican Red Deer

Hangul

McNeill's Deer

Shou

Yarkand Deer

Thamin

Manipur Brow-antlered Deer

Thailand Brow-antlered Deer

Shansi Sika

Ryukyu Sika

V Calamian I. (Philippines)

R Bawean I. (Indonesia)

V Central America

V China

E Visayan Is (Philippines)

E India, Nepal

E Afghanistan, U.S.S.R.

V Algeria, Tunisia

E [Corsica (France)], Sardinia (Italy)

E India

E China

E China, Bhutan

E China

V South-east Asia

E India

E South-east Asia

Ex? China

E Ryukyu Is (Japan)

Cervus nippon mandarinus
Cervus nippon pseudaxis
Cervus nippon sichuanicus
Cervus nippon taiouanus
Dama mesopotamica
Elaphurus davidianus
Hippocamelus antisensis
Hippocamelus bisulcus
Hydropotes inermis
Muntiacus crinifrons
Muntiacus feaei
Odocoileus hemionus cerrosensis
Odocoileus virginianus clavium
Ozotoceros bezoarticus celer
Pudu mephistopheles

Family Antilocapridae
Antilocapra americana peninsularis
Antilocapra americana sonoriensis

Family Bovidae

Bison bonasus
Bos gaurus
Bos grunniens
Bos javanicus
Bos sauveli
Bubalus bubalis
Bubalus depressicornis
Bubalus quarlesi
Bubalus mindorensis
Taurotragus derbianus
Addax nasomaculatus
Aepyceros melampus petersi

North China Sika	Ex	China
South China Sika	E	China
	I	China
Formosan Sika	E	Taiwan
Persian Fallow Deer	E	Iran, Iraq, Israel, Syria
Pere David's Deer	E	China
North Andean Huemul	V	North Andes
South Andean Huemul	E	South Andes
Chinese Water-deer	R	China, Korea
Black Muntjac	V	China
Fea's Muntjac	E	Burma, Thailand, China
Cedros Island Mule Deer	R	Mexico
Key Deer	R	U.S.A.
Argentinian Pampas Deer	E	Argentina
Northern Pudu	I	Andes
Lower California Pronghorn	E	Mexico
Sonoran Pronghorn	E	Mexico & U.S.A.
European Bison	V	Poland, U.S.S.R.
Gaur	V	South-east Asia
Wild Yak	E	Central Asia
Banteng	V	South-east Asia
Kouprey	E	Indochina
Wild Asiatic Water Buffalo	E	India, Nepal
Lowland Anoa	E	Sulawesi (Indonesia)
Mountain Anoa	E	Sulawesi (Indonesia)
Tamaraw	E	Philippines
Western Giant Eland	E	West Africa
Addax	E	Sahara/Sahel
Black-faced Impala	E	Angola, Namibia

<i>Alcelaphus buselaphus swaynei</i>	Swayne's Hartbeest	E	Ethiopia, Somalia
<i>Alcelaphus buselaphus tora</i>	Tora Hartbeest	E	Egypt, Ethiopia, Sudan
<i>Ammodorcas clarkei</i>	Dibatag	V	Ethiopia, Somalia
<i>Cephalophus adersi</i>	Ader's Duiker	V	Kenya, Tanzania, Zanzibar
<i>Cephalophus jentinki</i>	Jentink's Duiker	E	Cote d'Ivoire, Liberia, Sierra Leone
<i>Cephalophus nigrifrons rubidus</i>	Ruwenzori Black-fronted Duiker	E	Uganda
<i>Cephalophus ogilbyi</i>	Ogilby's Duiker	V	West & Central Africa
<i>Cephalophus ogilbyi crusalbum</i>	White-legged Duiker	V	Gabon
<i>Cephalophus spadix</i>	Abbott's Duiker	V	Tanzania
<i>Cephalophus zebra</i>	Zebra Duiker	V	Cote d'Ivoire, Liberia, Sierra Leone
<i>Damaliscus dorcas</i>	Bontebok	R	South Africa
<i>Damaliscus dorcas dorcas</i>	Bontebok	V	South Africa
<i>Damaliscus hunteri</i>	Hunter's Antelope	V	Kenya, Somalia
<i>Damaliscus lunatus korrigum</i>	Korrigum	E	West Africa
<i>Oreotragus oreotragus porteousi</i>	Western Klipspringer	E	Nigeria
<i>Dorcatragus megalotis</i>	Beira Antelope	K	Djibouti, Ethiopia, Somalia
<i>Gazella cuvieri</i>	Cuvier's Gazelle	E	North-west Africa
<i>Gazella dama</i>	Dama Gazelle	E	Sahara/Sahel
<i>Gazella dorcas</i>	Dorcas Gazelle	V	Sahara/Sahel & Middle East
<i>Gazella gazella</i>	Mountain Gazelle	V	Arabia, Middle East
<i>Gazella leptoceros</i>	Slender-horned Gazelle	E	Sahara/Sahel
<i>Gazella rufifrons</i>	Red-fronted Gazelle	V	Senegal to Eritrea
<i>Gazella soemmerringi</i>	Soemmerrings Gazelle	V	North-eastern Africa
<i>Gazella spekei</i>	Speke's Gazelle	V	Ethiopia, Somalia
<i>Gazella subgutturosa marica</i>	Arabian Sand Gazelle	E	Arabia
<i>Hippotragus leucophaeus</i>	Bluebuck	Ex	[South Africa]
<i>Hippotragus niger variiani</i>	Giant Sable Antelope	E	Angola
<i>Kobus leche</i>	Lechwe	V	Southern Africa

<i>Oryx dammah</i>	Scimitar-horned Oryx	E	Sahara/Sahel
<i>Oryx leucoryx</i>	Arabian Oryx	E	Arabia, Middle East
<i>Redunca fulvorufula adamauae</i>	Western Mountain Reedbuck	E	Cameroon, Nigeria
<i>Tragelaphus buxtoni</i>	Mountain Nyala	E	Ethiopia
<i>Tragelaphus derbianus gigas</i>	Eastern Giant Eland	V	Central Africa
<i>Capricornis crispus swinhoi</i>	Formosa Serow	V	Taiwan
<i>Capricornis sumatraensis sumatraensis</i>	Sumatran Serow	E	Malaysia, Sumatra (Indonesia)
<i>Budorcas taxicolor bedfordi</i>	Golden Takin	R	China
<i>Budorcas taxicolor tibetana</i>	Szechwan Takin	I	China
<i>Nemorhaedus baileyi</i>	Red Goral	V	China, Burma, India
<i>Hemitragus hylacrus</i>	Nilgiri Tahr	V	India
<i>Hemitragus jayakari</i>	Arabian Tahr	E	Oman
<i>Capra falconeri</i>	Markhor	V	West Himalayas
<i>Capra falconeri megaceros</i>	Straight-horned Markhor	E	Afghanistan, Pakistan
<i>Capra pyrenaica pyrenaica</i>	Pyrenean Ibex	E	Spain
<i>Capra waliae</i>	Walia Ibex	E	Ethiopia
<i>Rupicapra pyrenaica ornata</i>	Abruzzo Chamois	V	Italy
<i>Rupicapra rupicapra cartusiana</i>	Chartreuse Chamois	E	France
<i>Rupicapra rupicapra tatrica</i>	Tatra Chamois	R	Czechoslovakia, Poland
<i>Ammotragus lervia</i>	Barbary Sheep	V	Sahara/Sahel
<i>Ovis orientalis musimon</i>	Sardinian Mouflon	V	Sardinia, Corsica
<i>Ovis orientalis ophion</i>	Cyprus Mouflon	V	Cyprus

BIRDS

Class AVES

Order APTERYGIFORMES

Family Apterygidae

Apteryx owenii

V New Zealand

Order TINAMIFORMES

Family Tinamidae

Tinamus solitarius

Tinamus osgoodi

Crypturellus saltuarius

Crypturellus noctivagus

Nothoprocta taczanowskii

Nothoprocta kalinowskii

Nothura minor

Taoniscus nanus

Solitary Tinamou

Black Tinamou

Magdalena Tinamou

Yellow-legged Tinamou

Taczanowski's Tinamou

Kalinowski's Tinamou

Lesser Nothura

Dwarf Tinamou

K* Argentina, Brazil, Paraguay

K* Colombia, Peru

I Colombia

K* Brazil

K* Peru

K* Peru

K* Brazil

K* Argentina, Brazil

Order SPHENISCIFORMES

Family Spheniscidae

Megadyptes antipodes

Spheniscus demersus

Spheniscus humboldti

Yellow-eyed Penguin

Jackass Penguin

Peruvian Penguin

V New Zealand

K* Namibia, South Africa

K* Chile, Peru

Order PODICIPEDIFORMES

Family Podicipedidae

Tachybaptus pelzelni

Tachybaptus rufolavatus

Podilymbus gigas

Podiceps andinus

Podiceps taczanowskii

Podiceps gallardoi

Madagascar Grebe

Alaotra Grebe

Atitlan Grebe

Colombian Grebe

Junin Grebe

Hooded Grebe

K Madagascar

E Madagascar

Ex [Guatemala]

Ex [Colombia]

E Peru

R Argentina

Order PROCELLARIIFORMES

Family Diomedidae

Diomedea amsterdamensis

Diomedea albatrus

Amsterdam Albatross
Short-tailed Albatross

E Amsterdam I. (France)
R Japan

Family Procellariidae

Pterodroma aterrima

Pterodroma hasitata

Pterodroma cahow

Pterodroma becki

Pterodroma magentae

Pterodroma feae

Pterodroma madeira

Pterodroma phaeopygia

Mascarene Black Petrel

Black-capped Petrel

Cahow

Beck's Petrel

Magenta Petrel

Gon-gon

Freira

Dark-rumped Petrel

I Mauritius

R Cuba, Dominican Rep., Haiti

E Bermuda

I Papua New Guinea, Solomon Is

R Chatham Is (New Zealand)

R Cape Verde Is. Madeira (Portugal)

E Madeira (Portugal)

R Galapagos (Ecuador), Hawaiian Is (U.S.A.)

R New Zealand

V Chile

V Chatham Is (New Zealand)

V New Zealand

I Fiji

V New Zealand

R New Zealand

V Juan Fernandez Is (Chile)

I New Britain (Papua New Guinea)

V Hawaiian Is (U.S.A.)

E Mexico

Pterodroma cookii

Pterodroma defilippiana

Pterodroma axillaris

Pterodroma pycrofti

Pterodroma macgillivrayi

Procellaria parkinsoni

Procellaria westlandica

Puffinus creatopus

Puffinus heinrothi

Puffinus newelli

Puffinus auricularis

Cook's Petrel

Defilippe's Petrel

Chatham Island Petrel

Pycroft's Petrel

Fiji Petrel

Black Petrel

Westland Petrel

Pink-footed Shearwater

Heinroth's Shearwater

Newell's Shearwater

Townsend's Shearwater

Family Hydrobatidae

Oceanodroma macrodactyla

Oceanodroma markhami

Oceanodroma tristrami

Guadalupe Storm-petrel

Markham's Storm-petrel

Tristram's Storm-petrel

Ex [Mexico]

I Eastern Pacific Ocean

K* Hawaiian Is (U.S.A.), Japan

Oceanodroma hornbyi

Family **Pelecanoididae**
Pelecanoides garnotii

Order **PELECANIFORMES**

Family **Pelecanidae**
Pelecanus crispus
Pelecanus philippensis

Family **Sulidae**
Sula abbotti

Family **Phalacrocoracidae**
Phalacrocorax carunculatus
Phalacrocorax pygmeus
Nannopterum harrisi

Family **Fregatidae**
Fregata aquila
Fregata andrewsi

Order **CICONIIFORMES**

Family **Ardeidae**
Gorsachius goisagi

Gorsachius magnificus
Egretta vinaceigula
Egretta eulophotes
Ardea humbloti
Ardea imperialis

Ringed Storm-petrel

Peruvian Diving Petrel

Dalmatian Pelican
Spot-billed Pelican

Abbott's Booby

Rough-faced Shag
Pygmy Cormorant
Galapagos Flightless Cormorant

Ascension Frigatebird
Christmas Frigatebird

Japanese Night-heron

White-eared Night-heron
Slaty Egret
Chinese Egret
Madagascar Heron
White-bellied Heron

K* Chile, Ecuador, Peru

K* Chile, Peru

E Palaearctic
I South & SE Asia

E Christmas I. (Australia)

R New Zealand
K* Western Palaearctic
R Galapagos (Ecuador)

R Ascension I. (U.K.)
E Christmas I. (Australia)

V China, Japan, Taiwan, Indonesia,
Philippines

E China
I Botswana, Namibia, Zambia
E China, N. Korea, S. Korea
K Comoros, Madagascar
E Bangladesh, Burma, India, Nepal

Family Balaenicipitidae
Balaeniceps rex

Family Ciconiidae

Mycteria cinerea
Ciconia stormi
Ciconia boyciana
Leptoptilos javanicus
Leptoptilos dubius

Family Threskiornithidae

Pseudibis davisoni

Pseudibis gigantea
Geronticus eremita
Geronticus calvus
Nipponia nippon
Bostrychia bocagei
Platalea minor

Family Phoenicopteridae

Phoenicoparrus andinus
Phoenicoparrus jamesi

Order ANSERIFORMES

Family Anhimidae

Chauna chawaria

Family Anatidae

Dendrocygna arborea

Shoebill

K* Central and East Africa

Milky Stork

V SE Asia

Storm's Stork

R Thailand, Brunei, Indonesia, Malaysia

Oriental White Stork

R China, Japan, South Korea, U.S.S.R.

Lesser Adjutant

V S & SE Asia

Greater Adjutant

E India & SE Asia

White-shouldered Ibis

V Burma, Cambodia, Laos, Thailand, Vietnam, Indonesia

Giant Ibis

E Cambodia, Laos, Thailand, Vietnam

Northern Bald Ibis

E Turkey, North Yemen, Morocco

Southern Bald Ibis

R Lesotho, South Africa, Swaziland

Crested Ibis

E China, Japan

Dwarf Olive Ibis

I Sao Tome

Black-faced Spoonbill

E China, N. Korea

Andean Flamingo

K* Argentina, Bolivia, Chile, Peru

Puna Flamingo

K* Argentina, Bolivia, Chile, Peru

Northern Screamer

K* Colombia, Venezuela

West Indian Whistling Duck

R Caribbean Islands

<i>Anser erythropus</i>	Lesser White-fronted Goose	R	Palearctic
<i>Branta sandvicensis</i>	Hawaiian Goose	V	Hawaiian Is (U.S.A.)
<i>Branta ruficollis</i>	Red-breasted Goose	K*	Palearctic
<i>Stictonetta naevosa</i>	Freckled Duck	K*	Australia
<i>Tadorna cristata</i>	Crested Shelduck	E	U.S.S.R., S. Korea
<i>Cairina scutulata</i>	White-winged Duck	V	Bangladesh, Burma, India, Indonesia, Thailand, Laos, Vietnam
<i>Aix galericulata</i>	Mandarin Duck	K*	U.S.S.R., China, Japan, N. Korea, S. Korea, Taiwan
<i>Anas formosa</i>	Baykal Teal	V	U.S.S.R., China, Japan, N. Korea, S. Korea
<i>Anas bernieri</i>	Madagascar Teal	V	Madagascar
<i>Anas aucklandica</i>	Brown Teal	R	New Zealand
<i>Anas wyvilliana</i>	Hawaiian Duck	R	Hawaiian Is (U.S.A.)
<i>Anas laysanensis</i>	Laysan Duck	R	Hawaiian Is (U.S.A.)
<i>Marmaronetta angustirostris</i>	Marbled Teal	V	Palearctic
<i>Rhodonessa caryophyllacea</i>	Pink-headed Duck	Ex	[India, Nepal, Bangladesh, Burma]
<i>Aythya baeri</i>	Baer's Pochard	V	U.S.S.R., China, N. Korea
<i>Aythya innotata</i>	Madagascar Pochard	E	Madagascar
<i>Mergus octosetaceus</i>	Brazilian Merganser	I	Argentina, Brazil, Paraguay
<i>Mergus squamatus</i>	Scaly-sided Merganser	R	China, N. Korea, U.S.S.R.
<i>Oxyura leucocephala</i>	White-headed Duck	V	Palearctic
Order FALCONIFORMES			
Family Cathartidae			
<i>Gymnogyps californianus</i>	California Condor	E	U.S.A.
Family Accipitridae			
<i>Leptodon forbesi</i>	White-collared Kite	K*	Brazil
<i>Henicopernis infuscatus</i>	Black Honey Buzzard	I	Irian Jaya (Indonesia), Papua New Guinea
<i>Milvus milvus</i>	Red Kite	K*	Western Palearctic

<i>Haliaeetus sanfordi</i>	Solomons Sea Eagle	R	Solomon Is.
<i>Haliaeetus vociferoides</i>	Madagascar Fish-eagle	E	Madagascar
<i>Haliaeetus leucorhynchus</i>	Pallas's Fish-eagle	R	S & E Asia
<i>Haliaeetus albicilla</i>	White-tailed Eagle	R	Palaeartic
<i>Haliaeetus pelagicus</i>	Steller's Sea Eagle	R	U.S.S.R., Japan, N. Korea, S. Korea
<i>Gyps coprotheres</i>	Cape Vulture	R	Southern Africa
<i>Aegypius monachus</i>	Cinereous Vulture	V	Palaeartic
<i>Spilornis elgini</i>	Dark Serpent-eagle	R	Andaman Is (India)
<i>Spilornis kinabaluensis</i>	Kinabalu Serpent-eagle	R	Indonesia, Malaysia
<i>Eutriorchis astur</i>	Madagascar Serpent-eagle	E	Madagascar
<i>Accipiter radiatus</i>	Red Goshawk	K*	Australia
<i>Accipiter nanus</i>	Small Sparrowhawk	R	Sulawesi (Indonesia)
<i>Accipiter brachyurus</i>	New Britain Sparrowhawk	R	New Britain (Papua New Guinea)
<i>Accipiter imitator</i>	Imitator Sparrowhawk	R	Papua New Guinea, Solomon Is
<i>Accipiter collaris</i>	Semi-collared Hawk	K*	Colombia, Ecuador, Peru, Venezuela
<i>Accipiter gundlachi</i>	Gundlach's Hawk	R	Cuba
<i>Accipiter poliogaster</i>	Grey-bellied Hawk	K*	South America
<i>Leucopternis plumbea</i>	Plumbeous Hawk	K*	Panama, Colombia, Ecuador, Peru
<i>Leucopternis lacernulata</i>	White-necked Hawk	K*	Brazil
<i>Leucopternis occidentalis</i>	Grey-backed Hawk	I	Ecuador
<i>Leucopternis polionota</i>	Mantled Hawk	I	Argentina, Brazil, Paraguay
<i>Harpyhaliaetus solitarius</i>	Solitary Eagle	K*	Central & South America
<i>Harpyhaliaetus coronatus</i>	Crowned Eagle	K*	Argentina, Bolivia, Brazil, Paraguay, Uruguay
<i>Buteo ridgwayi</i>	Ridgway's Hawk	V	Dominican Rep., Haiti
<i>Buteo galapagoensis</i>	Galapagos Hawk	R	Galapagos (Ecuador)
<i>Buteo solitarius</i>	Hawaiian Hawk	R	Hawaiian Is (U.S.A.)
<i>Buteo ventralis</i>	Rufous-tailed Hawk	K*	Argentina, Chile
<i>Morphnus guianensis</i>	Crested Eagle	R	South and Central America
<i>Harpia harpyja</i>	Harpy Eagle	R	South and Central America
<i>Harpyopsis novaeguineae</i>	New Guinea Eagle	V	Irian Jaya (Indonesia), Papua New Guinea

Pitheophaga jefferyi
Aquila heliaca
Aquila adalbertii
Spizaetus bartelsi
Spizaetus nanus

Philippine Eagle
Imperial Eagle
Spanish Imperial Eagle
Javan Hawk-eagle
Wallaces Hawk-eagle

E Philippines
R Palaeartic
E Portugal, Spain
V Java
R Burma, Thailand, Brunei, Indonesia, Malaysia

Family Falconidae

Micrastur plumbeus
Micrastur buckleyi
Falco naumanni
Falco punctatus
Falco deiroleucus
Falco hypoleucos

Plumbeous Forest-falcon
Traylor's Forest-falcon
Lesser Kestrel
Mauritius Kestrel
Orange-breasted Falcon
Grey Falcon

K* Brazil, Colombia, Ecuador
K* Ecuador, Peru
R Palaeartic
E Mauritius
K* South and Central America
K* Australia

Order GALLIFORMES

Family Megapodiidae

Megapodius bernsteinii
Megapodius nicobariensis
Megapodius laparouse
Megapodius pritchardii
Megapodius wallacei
Leipoa ocellata
Macrocephalon maleo
Aepyodius bruinjii

Sula Scrubfowl
Nicobar Scrubfowl
Micronesian Scrubfowl
Polynesian Scrubfowl
Moluccan Scrubfowl
Malleefowl
Maleo
Waigeo Brush-turkey

V Barigai & Sula Is (Indonesia)
R Nicobar Is (India)
R Palau, N. Mariana Is (U.S.A.)
V Tonga
R Molluccas (Indonesia)
K* Australia
V Sulawesi (Indonesia)
R Waigeo (Indonesia)

Family Cracidae

Ortalis erythroptera
Penelope barbata
Penelope dabbeni
Penelope albipennis
Penelope perspicax

Rufous-headed Chachalaca
Bearded Guan
Red-faced Guan
White-winged Guan
Cauca Guan

K* Ecuador, Peru
K* Ecuador, Peru
K* Argentina, Bolivia
E Peru
E Colombia

Penelope jacucaca
Penelope ochrogaster
Pipile jacutinga
Penelopina nigra

Oreophasis derbianus
Mitu mitu

Pauxi pauxi

Pauxi unicornis

Crax alberti

Crax globulosa

Crax blumenbachii

Family Phasianidae

Agriocharis ocellata
Tetrao mlkosiewiczzi
Dendrortyx barbatus
Odontophorus hyperythrus
Odontophorus strophium
Francolinus ochropectus
Francolinus camerunensis
Francolinus swierstrai
Francolinus nahani
Francolinus gularis
Perdicula manipurensis
Arborophila rufipectus
Arborophila gingica
Arborophila davidi
Arborophila cambodiana
Arborophila ardens
Arborophila charltonii

White-browed Guan
Chestnut-bellied Guan
Black-fronted Piping Guan
Highland Guan

Horned Guan
Alagoas Curassow
Northern Helmeted Curassow
Southern Helmeted Curassow
Blue-billed Curassow
Wattled Curassow

Red-billed Curassow

Ocellated Turkey
Caucasian Black Grouse
Bearded Wood Partridge
Chestnut Wood-quail
Gorgeted Wood-quail
Djibouti Francolin
Mount Cameroon Francolin
Swierstra's Francolin
Nahan's Francolin
Swamp Francolin
Manipur Bush Quail
Sichuan Partridge
White-necklaced Partridge
Orange-necked Partridge
Chestnut-headed Partridge
White-eared Partridge
Chestnut-necklaced Partridge

K* Brazil
K* Brazil
E Argentina, Brazil, Paraguay
K* El Salvador, Guatemala, Honduras, Mexico, Nicaragua
E Guatemala, Mexico
E Brazil
K* Colombia, Venezuela
K* Bolivia, Peru
V Colombia
K* Bolivia, Brazil, Colombia, Ecuador, Peru
E Bahia, Espirito Santo (Brazil)

K* Belize, Guatemala, Mexico
K* Turkey, U.S.S.R., Iran
K* Mexico
K* Colombia
E Colombia
E Djibouti
R Cameroon
I Angola
R Uganda, Zaire
V Bangladesh, India, Nepal
R Bangladesh, India
E China
R China
I Vietnam
R Cambodia, Thailand
E China
R Thailand, Indonesia, Malaysia

<i>Ophrysia superciliosa</i>	Himalayan Quail	Ex	[India]
<i>Tragopan melanocephalus</i>	Western Tragopan	V	India, Pakistan
<i>Tragopan blythii</i>	Blyth's Tragopan	I	Bhutan, Burma, China, India
<i>Tragopan caboti</i>	Cabot's Tragopan	R	China
<i>Lophophorus sclateri</i>	Sclater's Monal	I	China, Burma, India
<i>Lophophorus lhuysii</i>	Chinese Monal	R	China
<i>Lophura imperialis</i>	Imperial Pheasant	R	Laos, Vietnam
<i>Lophura hatinensis</i>	Vietnam Pheasant	I	Vietnam
<i>Lophura edwardsi</i>	Edwards' Pheasant	I	Vietnam
<i>Lophura swinhoii</i>	Swinhoe's Pheasant	V	Taiwan
<i>Lophura inornata</i>	Salvadori's Pheasant	V	Sumatra (Indonesia)
<i>Lophura ignita</i>	Crested Fireback	V	Burma, Thailand, Brunei, Indonesia, Malaysia
<i>Lophura diardi</i>	Siamese Fireback	R	Cambodia, Laos, Thailand, Vietnam
<i>Lophura bulweri</i>	Bulwer's Pheasant	R	Kalimantan (Indonesia), Sabah & Sarawak (Malaysia), Brunei
<i>Crossoptilon mantchuricum</i>	Brown Eared Pheasant	V	Hubei, Shanxi (China)
<i>Catreus wallichi</i>	Cheer Pheasant	V	India, Nepal, Pakistan
<i>Symaticus ellioti</i>	Elliot's Pheasant	V	China
<i>Symaticus humiae</i>	Hume's Pheasant	R	Burma, China, India
<i>Symaticus mikado</i>	Mikado Pheasant	R	Taiwan
<i>Symaticus reevesii</i>	Reeves' Pheasant	R	China
<i>Chrysolophus amherstiae</i>	Lady Amherst's Pheasant	K*	China
<i>Polyplectron germaini</i>	Germain's Peacock-pheasant	R	Vietnam
<i>Polyplectron malacense</i>	Malaysian Peacock-pheasant	R	Burma, Thailand, Malaysia
<i>Polyplectron emphanum</i>	Palawan Peacock-pheasant	R	Palawan (Philippines)
<i>Rheinardia ocellata</i>	Crested Argus	R	Laos, Malaysia, Vietnam
<i>Pavo muticus</i>	Green Peafowl	V	SE Asia
<i>Afropavo congensis</i>	Congo Peacock	K*	Zaire
<i>Agelastes meleagrides</i>	White-breasted Guineafowl	E	West Africa

Order GRUIFORMES

Family Mesitornithidae

Mesitornis variegata
Mesitornis unicolor
Monias benschi

White-breasted Mesite
Brown Mesite
Subdesert Monias

R Madagascar
R Madagascar
R Madagascar

Family Turnicidae

Turnix everetti
Turnix worcesteri
Turnix melanogaster
Turnix olivii

Sumba Buttonquail
Worcester's Buttonquail
Black-breasted Buttonquail
Buff-breasted Buttonquail

I Sumba (Indonesia)
I Luzon (Philippines)
K* Australia
K* Australia

Family Pedionomidae

Pedionomus torquatus

Plains-wanderer

K* Australia

Family Gruidae

Grus nigricollis
Grus monacha

Black-necked Crane
Hooded Crane

R Bhutan, Burma, China, India, Vietnam
R China, Japan, North Korea, South
Korea, U.S.S.R.

Grus japonensis

Japanese Crane

V China, Japan, North Korea, South
Korea, U.S.S.R.

Grus americana

Whooping Crane

E Canada, U.S.A.

Grus vipio

White-naped Crane

R China, Japan, North Korea, South
Korea, U.S.S.R.

Grus leucogeranus

Siberian Crane

R Afghanistan, China, India, Iran,
U.S.S.R., Pakistan

Buggeranus carunculatus

Wattled Crane

K* Ethiopia, Central & Southern Africa

Family Rallidae

Sarothrura ayresi

White-winged Flufftail

I Ethiopia, Southern Africa

<i>Sarothrura watersi</i>	Slender-billed Flufftail	I	Madagascar
<i>Coturnicops exquisitus</i>	Siberian Crane	R	U.S.S.R., China, Japan, S. Korea
<i>Laterallus tuerosi</i>	Junin Rail	K*	Peru
<i>Laterallus xenopterus</i>	Horqueta or Rufous-faced Crane	K*	Brazil, Paraguay
<i>Laterallus leuraudi</i>	Rusty-flanked Crane	K*	Venezuela
<i>Nesoclopeus poecilopterus</i>	Bar-winged Rail	E	Fiji
<i>Nesoclopeus woodfordi</i>	Woodford's Rail	Ex	[Papua New Guinea, Solomon Is]
<i>Gallirallus okinawae</i>	Okinawa Rail	V	Japan
<i>Gallirallus owstoni</i>	Guam Rail	E	Guam (U.S.A.)
<i>Gallirallus lafresnayanus</i>	New Caledonian Rail	I	New Caledonia (France)
<i>Gallirallus sylvestris</i>	Lord Howe Rail	E	Lord Howe I. (Australia)
<i>Crex crex</i>	Corncrake	R	Africa, Palaearctic
<i>Aramidopsis platani</i>	Snoring Rail	I	Sulawesi (Indonesia)
<i>Dryolimnas mirificus</i>	Brown-banded Rail	I	Luzon (Philippines)
<i>Atlantisia rogersi</i>	Inaccessible Rail	R	Inaccessible I. (U.K.)
<i>Rallus wetmorei</i>	Plain-flanked Rail	K*	Venezuela
<i>Rallus antarcticus</i>	Austral Rail	K*	Argentina, Chile
<i>Rallus semiplumbeus</i>	Bogota Rail	V	Colombia
<i>Gymnocrex rosenbergii</i>	Bald-faced Rail	I	Sulawesi (Indonesia)
<i>Amaurornis olivieri</i>	Sakalava Rail	K	Madagascar
<i>Porzana spiloptera</i>	Dot-winged Crane	K*	Argentina, Uruguay
<i>Porzana atra</i>	Henderson Island Rail	R	Henderson I. (U.K.)
<i>Cyanolimnas cerverai</i>	Zapata Rail	R	Cuba
<i>Habroptila wallacii</i>	Invisible Rail	I	Halmahera (Indonesia)
<i>Notornis mantelli</i>	Takabe	E	New Zealand
<i>Pareudiastes silvestris</i>	San Cristobal Mountain Rail	I	San Cristobal (Solomon Is)
<i>Gallinula comeri</i>	Gough Moorhen	R	Gough I. (U.K.)
<i>Fulica cornuta</i>	Horned Coot	R	Argentina, Bolivia, Chile
Family Helornithidae			
<i>Helipais personata</i>	Masked Finfoot	V	SE Asia

Family Rhynochetidae

Rhynochetos jubatus

Family Otididae

Tetrax tetrax

Otis tarda

Ardeotis nigricaps

Chlamydotis undulata

Houbaropsis bengalensis

Sypheotides indica

Order CHARADRIIFORMES

Family Haematopodidae

Haematopus meadewaldoi

Haematopus chathamensis

Family Recurvirostridae

Himantopus novaezelandiae

Family Glareolidae

Rhinoptilus bitorquatus

Family Charadriidae

Vanellus macropterus

Vanellus gregarius

Charadrius melodus

Charadrius thoracicus

Charadrius sanctaehelenae

Charadrius rubricollis

Thinornis novaeseelandiae

E New Caledonia (France)

R Palearctic

R Palearctic

R India

V Palearctic

E India, Cambodia, Nepal, Vietnam

E India, Nepal, Pakistan

Ex [Canary Is (Spain)]

E Chatham Is (New Zealand)

E New Zealand

I India

Ex [Java (Indonesia)]

R U.S.S.R.

K* Canada, U.S.A.

R Madagascar

R St. Helena (U.K.)

K* Australia

E Chatham Is (New Zealand)

Kagu

Little Bustard

Great Bustard

Great Indian Bustard

Houbara Bustard

Bengal Florican

Lesser Florican

Canarian Black Oystercatcher

Chatham Island Oystercatcher

Black Stilt

Jerdon's Courser

Javan Wattled Lapwing

Sociable Lapwing

Piping Plover

Madagascar Plover

St. Helena Plover

Hooded Plover

Shore Plover

Family Scolopacidae

Numenius borealis
Numenius tahitiensis
Numenius tenuirostris
Tringa guttifer
Prosobonia cancellatus
Scolopax celebensis
Scolopax rochussenii
Coenocorypha aucklandica
Gallinago nemoricola
Limnodromus semipalmatus
Calidris paramelanotos
Eurynorhynchus pygmeus

Eskimo Curlew
 Bristle-thighed Curlew
 Slender-billed Curlew
 Nordmann's Greenshank
 Tuamotu Sandpiper
 Sulawesi Woodcock
 Obi Woodcock
 Sub-antarctic Snipe
 Wood Snipe
 Asian Dowitcher
 Cox's Sandpiper
 Spoon-billed Sandpiper

E Canada, U.S.A.
 R Alaska (U.S.A.), Pacific Ocean
 K* Palaeartic
 I SE Asia
 V Tuamotu Archipelago (France)
 I Sulawesi (Indonesia)
 I Obi (Indonesia)
 R New Zealand
 I S & SE Asia
 R Asia
 K* Australia
 I U.S.S.R., S.E. Asia

Family Laridae

Larus leucophthalmus
Larus atlanticus
Larus audouinii
Larus relictus
Larus saundersi

White-eyed Gull
 Olrog's Gull
 Audouin's Gull
 Relict Gull
 Saunders' Gull

K* Red Sea
 K* Argentina, Brazil, Uruguay
 R Mediterranean, Morocco
 R China, Mongolia, U.S.S.R.
 R China, Hong Kong, Japan, South Korea, Taiwan

Sterna virgata

Kerguelen Tern

V Prince Edward I. (South Africa), Crozet & Kerguelen Is (France)

Sterna albastrata

Black-fronted Tern

Sterna balaenarum

Damara Tern

Sterna bernsteini

Chinese Crested Tern

Family Alcidae

Synthliboramphus wumizusume

Japanese Murrelet

V Japan, N. Korea, S. Korea, U.S.S.R.

Order COLUMBIFORMES

Family Columbidae

<i>Columba oliviae</i>	Somali Pigeon	R	Somalia
<i>Columba trocaz</i>	Madeira Laurel Pigeon	R	Madeira (Portugal)
<i>Columba bollii</i>	Dark-tailed Laurel Pigeon	R	Canary Is (Spain)
<i>Columba junoninae</i>	White-tailed Laurel Pigeon	R	Canary Is (Spain)
<i>Columba thomensis</i>	Maroon Wood-pigeon	V	Sao Tome
<i>Columba elphinstonii</i>	Nilgiri Wood-pigeon	V	India
<i>Columba torringtoni</i>	Sri Lanka Wood-pigeon	V	Sri Lanka
<i>Columba punicea</i>	Pale-capped Pigeon	R	China, Bangladesh, Burma, India, Thailand
<i>Columba argentina</i>	Grey Wood-pigeon	V	Indonesia, Burong Is (Malaysia)
<i>Columba pallidiceps</i>	Yellow-legged Pigeon	I	Bismarck Arch. (Papua New Guinea), Solomon Is
<i>Columba caribaea</i>	Ring-tailed Pigeon	V	Jamaica
<i>Nesoenas mayeri</i>	Pink Pigeon	E	Mauritius
<i>Zenaida graysoni</i>	Socorro Dove	E	Mexico
<i>Columbina cyanopsis</i>	Blue-eyed Ground Dove	K*	Brazil
<i>Claravis godefrida</i>	Purple-winged Ground Dove	V	Argentina, Brazil, Paraguay
<i>Leptotila wellsi</i>	Grenada Dove	E	Grenada
<i>Leptotila ochraceiventris</i>	Ochre-bellied Dove	K*	Ecuador, Peru
<i>Leptotila conoveri</i>	Tolima Dove	I	Colombia
<i>Geotrygon caniceps</i>	Grey-headed Quail-dove	E	Cuba, Dominican Republic
<i>Geotrygon mystacea</i>	Bridled Quail-dove	K*	Lesser Antilles, Virgin Is.
<i>Starnoenas cyanocephala</i>	Blue-headed Quail-dove	R	Cuba
<i>Caloenas nicobarica</i>	Nicobar Pigeon	R	S.E. Asia, Indonesia, Papua New Guinea, Palau (F.S.M.)
<i>Gallinolumba platenae</i>	Mindoro Bleeding-heart	I	Mindoro (Philippines)
<i>Gallinolumba keayi</i>	Negros Bleeding-heart	I	Negros (Philippines)
<i>Gallinolumba menagei</i>	Sulu Bleeding-heart	I	Tawi Tawi (Philippines)
<i>Gallinolumba erythroptera</i>	Polynesian Ground Dove	E	Society Is, Tuamotu Archipelago (France)

<i>Gallicolumba sanctaerucis</i>	Santa Cruz Ground Dove	R	Vanuatu, Solomon Is.
<i>Gallicolumba salamonis</i>	Thick-billed Ground Dove	I	Solomon Is.
<i>Gallicolumba rubescens</i>	Marquesas Ground Dove	R	Marquesas (France)
<i>Gallicolumba hoedtii</i>	Wetar Ground Dove	I	Wetar & Timor (Indonesia)
<i>Microgoura meeki</i>	Choiseul Pigeon	Ex	[Choiseul (Solomon Is.)]
<i>Goura cristata</i>	Western Crowned Pigeon	R	Irian Jaya (Indonesia)
<i>Goura scheepmakeri</i>	Southern Crowned Pigeon	R	Irian Jaya (Indonesia), Papua New Guinea
<i>Goura victoria</i>	Victoria Crowned Pigeon	R	Irian Jaya (Indonesia), Papua New Guinea
<i>Didunculus strigirostris</i>	Tooth-billed Pigeon	V	Western Samoa
<i>Treron teysmannii</i>	Sumba Green-pigeon	V	Sumba (Indonesia)
<i>Treron psittacea</i>	Timor Green-pigeon	V	Timor, Roti & Seman (Indonesia)
<i>Treron capellei</i>	Large Green-pigeon	V	Burma, Thailand, Brunei, Indonesia, Malaysia
<i>Ptilinopus dohertyi</i>	Red-naped Fruit-dove	R	Sumba (Indonesia)
<i>Ptilinopus roseicapilla</i>	Mariana Fruit-dove	R	Guam, N. Mariana Is. (U.S.A.)
<i>Ptilinopus huttoni</i>	Rapa Fruit-dove	E	Austral Is (France)
<i>Ptilinopus mercierii</i>	Marquesas Fruit-dove	Ex	[Marquesas Is (France)]
<i>Ptilinopus granulifrons</i>	Carunculated Fruit-dove	I	Obi (Indonesia)
<i>Ptilinopus arcanus</i>	Negros Fruit-dove	I	Negros (Philippines)
<i>Drepanoptila holosericea</i>	Cloven-feathered Dove	R	New Caledonia (France)
<i>Ducula mindorensis</i>	Mindoro Imperial-pigeon	R	Mindoro (Philippines)
<i>Ducula aurorae</i>	Polynesian Imperial-pigeon	R	Society Is, Tuamotu Arch. (France)
<i>Ducula galeata</i>	Marquesas Imperial-pigeon	V	Marquesas Is (France)
<i>Ducula whartoni</i>	Christmas Imperial-pigeon	R	Christmas I. (Australia)
<i>Ducula pickeringii</i>	Grey Imperial-pigeon	R	Indonesia, Malaysia, Philippines
<i>Ducula goliath</i>	Giant Imperial-pigeon	V	New Caledonia (France)
<i>Eos cyanogenia</i>	Black-winged Lory	R	Irian Jaya (Indonesia)

Order PSITTACIFORMES

Family Loriidae

Eos cyanogenia

<i>Eos reticulata</i>	Blue-streaked Lory	R	Tanimbar Is (Indonesia)
<i>Eos histrio</i>	Red-and-blue Lory	R	Talaud & Sangihe (Indonesia)
<i>Lorius domicella</i>	Purple-naped Lory	R	Ambon & Seram (Indonesia)
<i>Vini kuhlii</i>	Kuhl's Lorikeet	R	Fr. Polynesia, Kiribati, Tubuai Is.
<i>Vini stephensi</i>	Stephen's Lorikeet	R	Henderson I., Pitcairn
<i>Vini peruviana</i>	Blue Lorikeet	V	Society Is, Tuamotu Archipelago (France)
<i>Vini ultramarina</i>	Ultramarine Lorikeet	V	Marquesas Is (France)
<i>Charmosyna toxopei</i>	Blue-fronted Lorikeet	I	Buru (Indonesia)
<i>Charmosyna diadema</i>	New Caledonian Lorikeet	I	New Caledonia (France)
Family Cacatuidae			
<i>Cacatua sulphurea</i>	Yellow-crested Cockatoo	V	Indonesia
<i>Cacatua moluccensis</i>	Salmon-crested Cockatoo	E	Seram, Ambon, Haruku, Saparua (Indonesia)
<i>Cacatua alba</i>	White Cockatoo	E	Moluccas (Indonesia)
<i>Cacatua haematuropygia</i>	Red-vented Cockatoo	E	Philippines
<i>Cacatua goffini</i>	Tanimbar Corella	E	Tanimbar Is (Indonesia)
Family Psittacidae			
<i>Psittaculirostris salvadorii</i>	Salvadori's Fig-parrot	R	Irian Java (Indonesia)
<i>Prioniturus luconensis</i>	Green Racquet-tail	R	Luzon & Marinduque (Philippines)
<i>Prioniturus mada</i>	Buru Racquet-tail	I	Buru (Indonesia)
<i>Polytelis alexandrae</i>	Princess Parrot	K*	Australia
<i>Psephotus chrysopterygius</i>	Golden-shouldered Parrot	R	Australia
<i>Psephotus dissimilis</i>	Hooded Parrot	K*	Australia
<i>Psephotus pulcherrimus</i>	Paradise Parrot	E	Australia
<i>Cyanoramphus unicolor</i>	Antipodes Parakeet	R	New Zealand
<i>Neophema chrysogaster</i>	Orange-bellied Parrot	R	Australia
<i>Neophema splendida</i>	Scarlet-chested Parrot	R	Australia
<i>Pezoporus wallicus</i>	Ground Parrot	E	Australia
<i>Geopsittacus occidentalis</i>	Night Parrot	I	S. Australia, W. Australia

<i>Agapornis nigrigenis</i>	Black-cheeked Lovebird	R	Zambia
<i>Loriculus catamene</i>	Sangihe Hanging Parrot	V	Sangihe (Indonesia)
<i>Psittacula intermedia</i>	Rothschild's Parakeet	I	India
<i>Psittacula caniceps</i>	Nicobar Parakeet	I	Nicobar Is (India)
<i>Psittacula eques</i> (replaces <i>Pecho</i>)	Mauritius Parakeet	E	Mauritius
<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	K*	Bolivia, Brazil, Paraguay
<i>Anodorhynchus glaucus</i>	Glaucous Macaw	Ex	[Argentina, Brazil, Paraguay, Uruguay]
<i>Anodorhynchus leari</i>	Lear's Macaw	E	Bahia (Brazil)
<i>Cyanopsitta spixii</i>	Little Blue Macaw	E	Brazil
<i>Ara glaucogularis</i>	Blue-throated Macaw	I	Bolivia
<i>Ara rubrogenys</i>	Red-fronted Macaw	K*	Bolivia
<i>Aratinga guarouba</i>	Golden Parakeet	V	Brazil
<i>Aratinga brevipes</i>	Socorro Parakeet	I	Revillagigedo Is (Mexico)
<i>Aratinga erythrogenys</i>	Red-masked Parakeet	K*	Ecuador, Peru
<i>Aratinga euops</i>	Cuban Parakeet	V	Cuba
<i>Aratinga auricapillus</i>	Golden-capped Parakeet	K*	Brazil
<i>Leptosittaca branickii</i>	Golden-plumed Parakeet	K*	Colombia, Ecuador, Peru
<i>Ognorhynchus icterotis</i>	Yellow-eared Parrot	V	Colombia, Ecuador
<i>Rhynchopsitta pachyrhyncha</i>	Thick-billed Parrot	V	Mexico and U.S.A.
<i>Rhynchopsitta terrisi</i>	Maroon-fronted Parrot	E	Mexico
<i>Pyrrhura cruentata</i>	Blue-throated Parakeet	R	Brazil
<i>Pyrrhura orcesi</i>	El Oro Parakeet	K*	Ecuador
<i>Pyrrhura perlata</i>	Pearly Parakeet	K*	Brazil
<i>Pyrrhura hypoxantha</i>	Yellow-sided Parakeet	K*	Brazil
<i>Pyrrhura albigpectus</i>	White-necked Parakeet	K*	Ecuador
<i>Pyrrhura calliptera</i>	Brown-breasted Parakeet	K*	Colombia
<i>Bolborhynchus ferrugineifrons</i>	Rufous-fronted Parakeet	I	Colombia
<i>Brotogetis pyrrhopterus</i>	Grey-cheeked Parakeet	K*	Ecuador, Peru
<i>Touit melanonota</i>	Brown-backed Parrotlet	R	Brazil
<i>Touit surda</i>	Golden-tailed Parrotlet	I	Brazil
<i>Touit stictoptera</i>	Spot-winged Parrotlet	K*	Colombia, Ecuador

Hapalopsittaca amazonina
Hapalopsittaca fuertesi
Hapalopsittaca pyrrhops
Amazona leucocephala
Amazona vittata
Amazona tucumana
Amazona pretrei
Amazona viridigenalis
Amazona brasiliensis
Amazona dufresniana
Amazona rhodocorytha
Amazona xanthops
Amazona barbadensis
Amazona ochrocephala
Amazona vinacea
Amazona versicolor
Amazona arausiaca
Amazona guildingii
Amazona imperialis
Triclaria malachitacea
Strigops habroptilus

Rusty-faced Parrot
 Fuertes' Parrot
 Red-faced Parrot
 Cuban Parrot
 Puerto Rican Parrot
 Tucuman Parrot
 Red-speckled Parrot
 Red-crowned Parrot
 Red-tailed Parrot
 Blue-cheeked Parrot
 Red-browed Parrot
 Yellow-faced Parrot
 Yellow-shouldered Parrot
 Yellow-crowned Parrot
 Vinaceous Parrot
 St. Lucia Parrot
 Red-necked Parrot
 St. Vincent Parrot
 Imperial Parrot
 Purple-bellied Parrot
 Kakapo

K* Colombia, Ecuador, Venezuela
 K* Colombia
 K* Ecuador, Peru
 K* Cayman Is., Cuba
 E Puerto Rico
 K* Argentina, Bolivia
 V Argentina, Brazil, Paraguay, Uruguay
 V Mexico
 E Brazil
 K* Brazil, Venezuela, Guianas
 K* Brazil
 K* Brazil
 V Netherlands Antilles, Venezuela
 K* Central & South America
 K* Argentina, Brazil, Paraguay
 R St Lucia
 E Dominica
 R St Vincent
 E Dominica
 K* Brazil
 E South Island (New Zealand)

Order CUCULIFORMES

Family Musophagidae

Tauraco bannermani
Tauraco ruspolii

Bannerman's Turaco
 Prince Ruspoli's Turaco

E Cameroon
 R Ethiopia

Family Cuculidae

Chrysococcyx rufomerus
Coccyzus ferrugineus
Phaenicophaeus pyrrhocephalus

Green-cheeked Bronze Cuckoo
 Cocos Cuckoo
 Red-faced Malkoha

I Romang & Damar (Indonesia)
 R Costa Rica
 V India, Sri Lanka

Neomorphus radiolosus
Carpococcyx radiceus
Coua delalandei
Centropus chlororhynchus
Centropus rectunguis
Centropus steerii
Centropus nigrorufus

Order STRIGIFORMES
Family Tytonidae

Tyto saumagnei
Tyto nigrobrunnea
Tyto inexpectata
Tyto sororcula
Tyto aurantia
Phodilus prigoginei

Family Strigidae

Otus sagittatus
Otus ireneae
Otus stresemanni
Otus angelinae
Otus alfredi
Otus mindorensis
Otus pauliani
Otus insularis
Otus hartlaubi
Bubo vosseleri
Ketupa blakistoni
Scotopelia ussheri
Glaucidium albertinum

Banded Ground Cuckoo
Sunda Ground Cuckoo
Snail-eating Coua
Green-billed Coucal
Short-toed Coucal
Steere's Coucal
Javan Coucal

Madagascar Red Owl
Taliabu Owl
Minabassa Owl
Lesser Masked Owl
Golden Owl
Congo Bay Owl

White-fronted Scops-owl
Sokoke Scops-owl
Sumatran Scops-owl
Javan Scops-owl
Flores Scops-owl
Mindoro Scops-owl
Grand Comoro Scops-owl
Seychelles Scops-owl
Sao Tome Scops-owl
Usambara Eagle-owl
Blakiston's Fish-owl
Rufous Fishing Owl
Albertine Owlet

K* Colombia, Ecuador
K Brunei, Indonesia, Malaysia
Ex [Madagascar]
E Sri Lanka
R Brunei, Indonesia, Malaysia
I Mindoro (Philippines)
V Java (Indonesia)

I Madagascar
I Taliabu (Indonesia)
I Sulawesi (Indonesia)
I Buru & Tanimbar Is (Indonesia)
K New Britain (Papua New Guinea)
I Burundi, Zaire

I Burma, Thailand, Indonesia, Malaysia
E Kenya
I Sumatra (Indonesia)
R Java (Indonesia)
I Flores (Indonesia)
R Mindoro (Indonesia)
K Comoro Is
R Seychelles
R Sao Tome
R Tanzania
R China, Japan, U.S.S.R.
R West Africa
R Rwanda, Zaire

Athene blewitti
Strix occidentalis

Order CAPRIMULGIFORMES

Family Podargidae

Batrachostomus harti

Family Nyctibiidae

Nyctibius aethereus

Nyctibius leucopterus

Nyctibius bracteatus

Family Caprimulgidae

Eurostopodus diabolicus

Siphonorhis americanus

Caprimulgus noctitherus

Caprimulgus candicans

Caprimulgus centralasicus

Caprimulgus pulchellus

Macropsalis creagra

Eleothreptus anomalus

Order APODIFORMES

Family Apodidae

Cypseloides lemosi

Hydrochous gigas

Aerodramus elaphrus

Aerodramus leucophaeus

Forest Owl
 Spotted Owl

Ex [India]
 K* Canada, U.S., Mexico

Dulit Frogmouth

K Kalimantan (Indonesia), Sarawak (Malaysia)

Long-tailed Potoo

K* Brazil, Colombia, Ecuador, Guyana, Paraguay, Peru, Venezuela

White-winged Potoo

K*

Rufous Potoo

K* Colombia, Ecuador, Guyana, Peru

Satanic Nightjar

I Sulawesi (Indonesia)

Jamaican Pauraque

Ex [Jamaica]

Puerto Rican Nightjar

R Puerto Rico

White-winged Nightjar

K* Brazil, Paraguay

Vaurie's Nightjar

I China

Salvadori's Nightjar

I Sumatra & Java (Indonesia)

Long-trained Nightjar

K* Argentina, Brazil

Sickle-winged Nightjar

K* Argentina, Brazil, Paraguay, Uruguay

White-chested Swift

K* Colombia

Giant Swiftlet

I Sumatra & Java (Indonesia), Peninsular Malaysia

Seychelles Swiftlet

R Seychelles

Tahiti Swiftlet

V Society Is (France)

<i>Aerodramus sawtelli</i>	Atiu Swiftlet	R	Cook Is.
<i>Schoutedenapus schoutedeni</i>	Schouteden's Swift	I	Zaire
<i>Apus sladeniae</i>	Fernando Po Swift	K	Angola, Cameroon, Fernando Po (Equatorial Guinea), Nigeria
<i>Apus acuticauda</i>	Dark-rumped Swift	I	India
Family Trochilidae			
<i>Androdon aequatorialis</i>	Tooth-billed Hummingbird	K*	Panama, Colombia, Ecuador
<i>Glaucis dohrnii</i>	Hook-billed Hermit	E	Bahia, Espirito Santo (Brazil)
<i>Campylopterus ensipennis</i>	White-tailed Sabrewing	K*	Tobago (Trinidad), Venezuela
<i>Popelairia letitiae</i>	Coppery Thorntail	K*	Bolivia
<i>Lepidopyga tilliae</i>	Sapphire-bellied Hummingbird	K*	Colombia
<i>Amazilia luciae</i>	Honduran Emerald	K*	Honduras
<i>Amazilia distans</i>	Tachira Emerald	K*	Venezuela
<i>Amazilia boucardi</i>	Mangrove Hummingbird	K*	Costa Rica
<i>Amazilia castaneiventris</i>	Chestnut-bellied Hummingbird	K*	Colombia
<i>Eupherusa poliocerca</i>	White-tailed Hummingbird	K*	Mexico
<i>Eupherusa cyanophrys</i>	Blue-capped Hummingbird	K*	Mexico
<i>Hylonympha macrocerca</i>	Scissor-tailed Hummingbird	K*	Venezuela
<i>Aglaeactis aliciae</i>	Purple-backed Sunbeam	K*	Peru
<i>Coeligena prunellei</i>	Black Inca	I	Colombia
<i>Sephanoides fernandensis</i>	Juan Fernandez Firecrown	V	Juan Fernandez Is (Chile)
<i>Helianthus regalis</i>	Royal Sunangel	K*	Peru
<i>Eriocnemis nigrirostris</i>	Black-breasted Puffleg	K*	Ecuador
<i>Eriocnemis godini</i>	Turquoise-throated Puffleg	K*	Ecuador
<i>Eriocnemis mirabilis</i>	Colorful Puffleg	K*	Colombia
<i>Eriocnemis derbyi</i>	Black-thighed Puffleg	K*	Colombia, Ecuador
<i>Haplophastria lugens</i>	Hoary Puffleg	K*	Colombia, Ecuador
<i>Metallura odomeae</i>	Neblina Metaltail	K*	Peru
<i>Metallura baroni</i>	Violet-throated Metaltail	K*	Ecuador
<i>Taphrolessia griseiventris</i>	Grey-bellied Comet	K*	Peru
<i>Augastes scutatus</i>	Hyacinth Visorbearer	K*	Brazil

Loddigesia mirabilis
Calypte helenae
Eulidia yarrellii
Acestrura bombus
Acestrura berlepschi
Selasphorus ardens

Order TROGONIFORMES

Family Trogonidae
Pharomachrus mocinno
Eupilotis neoxenus
Trogon bairdii

Order CORACIIFORMES

Family Alcedinidae
Alcedo hercules
Halcyon australasia
Halcyon mangai
Halcyon gambieri
Halcyon godeffroyi
Halcyon bougainvillei
Actenoides hombroni
Tanyseptera riedelii

Family Momotidae
Electron carinatum

Family Brachypteraciidae

Brachypteracias leptosomus
Brachypteracias squamigera
Atelornis crossleyi

Marvellous Spatuletail
Bee Hummingbird
Chilean Woodstar
Little Woodstar
Esmeraldas Woodstar
Glow-throated Hummingbird

Resplendent Quetzal
Eared Trogon
Baird's Trogon

Blyth's Kingfisher

Cinnamon-banded Kingfisher
Mangaia Kingfisher
Tuamotu Kingfisher
Marquesas Kingfisher
Moustached Kingfisher
Blue-capped Wood Kingfisher
Biak Paradise Kingfisher

Keel-billed Motmot

Short-legged Ground Roller
Scaly Ground Roller
Rufous-headed Ground Roller

K* Peru
R Cuba
R Bolivia, Chile
K* Ecuador, Peru
K* Ecuador
K* Panama

V Central America
K* Mexico, U.S.A.
K* Costa Rica, Panama

I China, Bangladesh, Bhutan, Burma,
India, Nepal, Vietnam
V Lesser Sundas (Indonesia)
R Cook Is
R Tuamotu Archipelago (France)
V Marquesas Is (France)
I Papua New Guinea, Solomon Is
V Mindano (Philippines)
V Indonesia

K* Central America

R Madagascar
R Madagascar
R Madagascar

<i>Uratelornis chimaera</i>	Long-tailed Ground Roller	R	Madagascar
Family Bucerotidae			
<i>Aceros nipalensis</i>	Rufous-necked Hornbill	R	SE Asia
<i>Aceros corrugatus</i>	Wrinkled Hornbill	R	Thailand, Brunei, Indonesia, Malaysia
<i>Aceros everetti</i>	Sumba Hornbill	V	Sumba (Indonesia)
<i>Aceros subruficollis</i>	Plain-pouched Hornbill	I	Burma, India, Thailand, Indonesia
<i>Aceros narcondami</i>	Narcondam Hornbill	R	Andaman Is (India)
<i>Anthracoceros montani</i>	Sulu Hornbill	R	Sulu Is (Philippines)
<i>Rhinoplax vigil</i>	Helmeted Hornbill	K	Burma, Indonesia, Malaysia, Thailand
Order PICIFORMES			
Family Galbulidae			
<i>Jacamaralcyon tridactyla</i>	Three-toed Jacamar	K*	Brazil
Family Capitonidae			
<i>Capito hypoleucus</i>	White-mantled Barbet	K*	Colombia
<i>Semnorhis ramphastinus</i>	Toucan Barbet	V	Colombia, Ecuador
<i>Megalaima javensis</i>	Black-banded Barbet	R	Java (Indonesia)
<i>Pogoniulus makawai</i>	White-chested Tinkerbird	I	Zambia
Family Indicatoridae			
<i>Melignomon eisenbrauti</i>	Yellow-footed Honeyguide	K	Cameroon, Ghana, Liberia
Family Ramphastidae			
<i>Aulacorhynchus huallagae</i>	Yellow-browed Toucanet	K*	Peru
Family Picidae			
<i>Picoides borealis</i>	Red-cockaded Woodpecker	V	U.S.A.
<i>Colaptes fernandinae</i>	Cuban Flicker	K	Cuba

Dryocopus galeatus
Campephilus principalis
Campephilus imperialis
Picus ruber
Sapheopipo noguchii

Order PASSERIFORMES
Family Eurylaimidae
Pseudocolaptes auratus

Family Dendrocolaptidae
Xiphocolaptes fuscirostris

Family Furnariidae
Cinclodes palliatus
Cinclodes aricomae
Aphrastura masafueriae
Leptasthenura xenothorax
Synallaxis infusata
Synallaxis coursoni
Synallaxis cherriei
Synallaxis zimmeri
Asthenes huancavelicae
Asthenes anthoides
Asthenes urubambensis
Thripophaga cherriei
Thripophaga macroura
Thripophaga berlepschi
Clibanornis dendrocolaptoideus
Margarornis tatei
Philydor novaesi
Simoxenops striatus

Helmeted Woodpecker
Ivory-billed Woodpecker
Imperial Woodpecker
Red-collared Woodpecker
Okinawa Woodpecker

African Green Broadbill

Moustached Woodcreeper

White-bellied Cinclodes
Royal Cinclodes
Masafueriae Raydito
White-browed Tit-spinetail
Plain Spinetail
Aurimac Spinetail
Chestnut-throated Spinetail
Russet-bellied Spinetail
Pale-tailed Canastero
Austral Canastero
Line-fronted Canastero
Orinoco Softtail
Striated Softtail
Russet-mantled Softtail
Canebrake Groundcreeper
White-throated Barbtail
Alagoas Foliage-gleaner
Bolivian Recurvebill

E Argentina, Brazil, Paraguay
E Cuba, U.S.A.
E Mexico
I Laos, Vietnam
E Ryukyu Is (Japan)
R Uganda, Zaire
K* Brazil
K* Peru
K* Bolivia, Peru
R Chile
K* Peru
K* Brazil
K* Peru
K* Brazil, Ecuador, Peru
K* Peru
K* Peru
K* Argentina, Chile
K* Peru
K* Venezuela
K* Brazil
K* Peru
K* Argentina, Brazil, Paraguay
K* Venezuela
K* Brazil
K* Bolivia

Automolus ruficollis
Automolus erythrocephalus
Megaxenops parnaguae

Family Formicariidae

Biatas nigropectus
Thamnophilus zarumae
Thamnophilus praecox
Clytocantes alixii
Xenornis setifrons
Thamnomanes plumbeus
Mymotherula minor
Mymotherula grisea
Herpsilochmus pileatus
Herpsilochmus pectoralis
Herpsilochmus parkeri
Formicivora iheringi
Formicivora erythronotos
Terenura sharpei
Terenura sicki
Cercomacra brasiliana
Cercomacra carbonaria
Pyriglena atra
Rhopornis ardesiaca
Myrmeciza ruficauda
Myrmeciza griseiceps
Myrmeciza sictolhorax
Rhegmatorhina hoffmannsi
Phlegopsis barringeri
Formicarius rufifrons
Grallaria gigantea
Grallaria alleni

Rufous-necked Foliage-gleaner
Henna-hooded Foliage-gleaner
Great Xenops

White-bearded Antshrike
Chapman's Antshrike
Cocha Antshrike
Recurve-billed Bushbird
Speckled Antshrike
Plumbeous Antshrike
Salvadori's Antwren
Ashy Antwren
Black-capped Antwren
Pectoral Antwren
Ash-throated Antwren
Narrow-billed Antwren
Black-hooded Antwren
Yellow-rumped Antwren
Orange-bellied Antwren
Rio de Janeiro Antbird
Rio Branco Antbird
Fringe-backed Fire-eye
Slender Antbird
Scalloped Antbird
Grey-headed Antbird
Spot-breasted Antbird
White-breasted Antbird
Argus Bare-eye
Rufous-fronted Anthrush
Giant Antpitta
Moustached Antpitta

K* Ecuador, Peru
K* Ecuador, Peru
K* Brazil

K* Argentina, Brazil
K* Ecuador, Peru
K* Ecuador, Peru
K* Colombia, Venezuela
K* Panama, Colombia
K* Brazil
K* Brazil
K* Bolivia
K* Brazil
K* Brazil
K* Peru
V Brazil
E Brazil
K* Bolivia, Peru
K* Brazil
K* Brazil
K* Brazil
E Bahia (Brazil)
V Bahia (Brazil)
K* Brazil
K* Ecuador, Peru
K* Brazil
K* Brazil
K* Colombia
K* Peru
K* Colombia, Ecuador
I Colombia

Grallaria chithonia
Grallaria rufocinerea
Grallaria milleri
Grallaricula lineifrons
Grallaricula cucullata

Family Conopophagidae
Conopophaga roberti

Family Rhinocryptidae
Merulaxis stresemanni
Scytalopus novacapitalis

Family Cotingidae
Laniisoma elegans

Phibalura flavirostris
Tijuca condita
Carpornis melanocephalus
Ampelion stresemanni
Iodopleura pipra
Calyptura cristata
Lipaugus lanioides
Cotinga ridgwayi
Cotinga maculata
Xipholena atropurpurea
Carpodectes antoniae
Cephalopterus glabricollis
Cephalopterus penduliger

Family Pipridae
Piprites pileatus

Tachira Antpitta
Bicolored Antpitta
Brown-banded Antpitta
Crescent-faced Antpitta
Hooded Antpitta

Hooded Gnateater

Stresemann's Bristlefront
Brasilia Tapaculo

Shrike-like Cotinga

Swallow-tailed Cotinga
Grey-winged Cotinga
Black-headed Berryeater
White-cheeked Cotinga
Buff-throated Purpletuft
Kinglet Calyptura
Cinnamon-vented Piha
Turquoise Cotinga
Banded Cotinga
White-winged Cotinga
Yellow-billed Cotinga
Bare-necked Umbrellabird
Long-wattled Umbrellabird

Black-capped Manakin

K* Venezuela
K* Colombia
I Colombia
K* Colombia, Ecuador
K* Colombia, Venezuela

K* Brazil

I Bahia (Brazil)
I Goias (Brazil)

K* Bolivia, Brazil, Colombia, Ecuador,
Peru, Venezuela
K* Argentina, Bolivia, Brazil
K* Brazil
K* Brazil
K* Peru
K* Brazil
I Brazil
K* Brazil
K* Costa Rica, Panama
V Brazil
V Brazil
K* Costa Rica, Panama
K* Costa Rica, Panama
V Colombia, Ecuador

K* Argentina, Brazil

<i>Pipra vilasboasi</i>	Golden-crowned Manakin	K*	Brazil
Family Tyrannidae			
<i>Hemitriccus aenigma</i>	Zimmer's Tody-tyrant	K*	Brazil
<i>Hemitriccus cinnamomeipectus</i>	Cinnamon-breasted Tody-tyrant	K*	Ecuador, Peru
<i>Idioptilon kaempferi</i>	Kaempfer's Tody-tyrant	K*	Brazil
<i>Ceratotriccus furcatus</i>	Fork-tailed Tody-tyrant	K*	Brazil
<i>Todirostrum viridanum</i>	Short-tailed Tody-flycatcher	K*	Venezuela
<i>Anairetes alpinus</i>	Ash-breasted Tit-tyrant	K*	Bolivia, Peru
<i>Serpophaga arguayae</i>	Bananal Tyrannulet	K*	Brazil
<i>Culicivora caudacuta</i>	Sharp-tailed Tyrant	K*	Argentina, Bolivia, Brazil, Paraguay
<i>Polystictus pectoralis</i>	Bearded Tachuri	K*	South America
<i>Polystictus superciliosus</i>	Grey-backed Tachuri	K*	Brazil
<i>Phylloscartes roquettei</i>	Minas Gerais Tyrannulet	K*	Brazil
<i>Phylloscartes paulistus</i>	Sao Paulo Tyrannulet	K*	Brazil, Paraguay
<i>Phylloscartes ceciliae</i>	Long-tailed Tyrannulet	K*	Brazil
<i>Platyrinchus leucorhynchus</i>	Russet-winged Spadebill	K*	Brazil, Paraguay
<i>Empidonax griseipectus</i>	Grey-breasted Flycatcher	K*	Ecuador, Peru
<i>Xolmis dominicana</i>	Black-and-White Monjita	K*	Argentina, Brazil, Paraguay, Uruguay
<i>Agriornis andicola</i>	White-tailed Shrike-tyrant	K*	Argentina, Bolivia, Chile, Ecuador, Peru
<i>Yctopa risoria</i>	Strange-tailed Tyrant	K*	Argentina, Brazil, Paraguay, Uruguay
Family Phytotomidae			
<i>Phytotoma raimondi</i>	Peruvian Plantcutter	K*	Peru
Family Pittidae			
<i>Pitta schneideri</i>	Schneider's Pitta	E	Sumatra (Indonesia)
<i>Pitta ellioti</i>	Bar-bellied Pitta	R	Cambodia, Laos, Thailand, Vietnam

<i>Pitta gurneyi</i>	Gurney's Pitta	E	Burma, Thailand
<i>Pitta kochi</i>	Whiskered Pitta	I	Luzon (Philippines)
<i>Pitta nympha</i>	Fairy Pitta	R	China, Hong Kong, Japan, S. Korea, Taiwan, Malaysia
<i>Pitta superba</i>	Superb Pitta	I	Bismarck Arch. (Papua New Guinea)
<i>Pitta steerii</i>	Azure-breasted Pitta	R	Philippines
<i>Pitta anerythra</i>	Black-faced Pitta	I	Bougainville, Solomon Is.
Family Xenicidae	Bush Wren	Ex	[New Zealand]
<i>Xenicus longipes</i>			
Family Philepittidae	Small-billed Asity	I	Madagascar
<i>Neodrepanis hypoxanthus</i>			
Family Atrichornithidae	Rufous Scrub-bird	R	Australia
<i>Atrichornis rufescens</i>	Noisy Scrub-bird	E	W. Australia
<i>Atrichornis clamosus</i>			
Family Alaudidae	Ash's Lark	K	Somalia
<i>Mirafra ashi</i>	Degodi Lark	K	Ethiopia
<i>Mirafra degodiensis</i>	Archer's clawed Lark	I	Somalia
<i>Heteromirafra archeri</i>	Rudd's Lark	I	Lesotho, Swaziland
<i>Heteromirafra ruddi</i>	Sidamo Lark	I	Ethiopia
<i>Heteromirafra sidamoensis</i>	Botha's Lark	I	South Africa
<i>Spizocorys fringillaris</i>	Raso Lark	R	Cape Verde Is.
<i>Alauda razae</i>			
Family Hirundinidae	White-eyed River Martin	I	Thailand
<i>Pseudochelidon sirintarae</i>	Bahama Swallow	K	Bahamas
<i>Tachycineta cyaneoviridis</i>	White-tailed Swallow	R	Ethiopia
<i>Hirundo megaensis</i>	Red Sea Cliff Swallow	K*	Sudan
<i>Hirundo perdita</i>			

Family Motacillidae

- Anthus sokokensis*
- Anthus chloris*
- Anthus chacoensis*
- Anthus nattereri*

- Soko Pipit
- Yellow-breasted Pipit
- Chaco Pipit
- Ochre-breasted Pipit

- V Kenya, Tanzania
- K* Lesotho, Southern Africa
- K* Argentina, Paraguay
- K* Argentina, Brazil, Paraguay

Family Campephagidae

- Coracina schistacea*
- Coracina typica*
- Coracina newtoni*
- Coracina coerulescens*
- Coracina sula*
- Coracina ostenta*
- Campephaga lobata*

- Slaty Cuckoo-shrike
- Mauritius Cuckoo-shrike
- Reunion Cuckoo-shrike
- Blackish Cuckoo-shrike
- Sula Cuckoo-shrike
- White-winged Cuckoo-shrike
- Ghana Cuckoo-shrike

- R Banggai & Sula Is (Indonesia)
- V Mauritius
- V Reunion
- R Luzon (Philippines)
- R Sula Is (Indonesia)
- R Philippines
- V Ghana, Guinea, Cote d'Ivoire, Liberia, Sierra Leone

Family Pycnonotidae

- Pycnonotus newenhuysii*
- Chlorocichla prigoginei*
- Phyllastrephus leucolepis*
- Phyllastrephus apperti*
- Phyllastrephus tenebrosus*
- Phyllastrephus cinericeps*
- Criniger olivaceus*

- Blue-Wattled Bulbul
- Prigogine's Greenbul
- Liberian Greenbul
- Appert's Greenbul
- Dusky Greenbul
- Grey-crowned Greenbul
- Yellow-bearded Bulbul

- I Kalimantan & Sumatra (Indonesia)
- V Zaire
- K* Liberia
- R Madagascar
- R Madagascar
- R Madagascar
- V Ghana, Guinea, Cote d'Ivoire, Liberia, Senegal, Sierra Leone
- I Philippines
- V Mauritius

- Hypsipetes siquijorensis*
- Hypsipetes olivaceus*

- Streak-breasted Bulbul
- Mauritius Bulbul

Family Laniidae

- Prionops gabela*
- Laniarius liberatus*

- Gabela Helmet-shrike
- Buulobarde Boubou

- I Angola
- K* Somalia

Malacotus kupeensis
Malacotus gladiator
Malacotus alius
Malacotus monteiri
Lanius newtoni

Family Vangidae
Xenopirostris damii
Xenopirostris polleni

Family Cinclidae
Cinclus schulzi

Family Troglodytidae
Hylorchilus sumichrasti
Cistothorus apolinari
Thryomanes sissonii
Ferminia cerverei
Thryothorus nicefori
Troglodytes tanneri

Family Mimidae
Nesomimus trifasciatus
Mimodes graysoni
Ramphocinclus brachyurus

Family Muscicapidae
Brachypteryx hyperythra
Suynnertonia suynnertonii
Sheppardia gabela
Sheppardia gunningi
Luscinia ruficeps

Mount Kupe Bush-Shrike
Green-breasted Bush-shrike
Uluguru Bush-shrike
Monteiro's Bush-shrike
Sao Tome Fiscal Shrike

Van Dam's Vanga
Pollen's Vanga

Rufous-throated Dipper

Slender-billed Wren
Apolinar's Marsh Wren
Socorro Wren
Zapata Wren
Niceforo's Wren
Clarion Wren

Floreana Mockingbird
Socorro Mockingbird
White-breasted Thrasher

Rusty-bellied Shortwing
Swynnerton's Robin
Gabela Akalat
East Coast Akalat

Rufous-headed Robin

I Cameroon
R Cameroon, Nigeria
R Tanzania
I Angola, Cameroon
I Sao Tome

R Madagascar
R Madagascar

I Argentina, Bolivia

K* Mexico
V Colombia
R Mexico
I Cuba
K* Colombia
R Clarion Is (Mexico)

K* Galapagos Is. (Ecuador)
E Socorro Is (Mexico)
E Martinique, St Lucia

I China, India
R Mozambique, Tanzania, Zimbabwe
I Angola
R Kenya, Malawi, Mozambique, Tanzania
I Mongolia, China

<i>Erethacus obscura</i>	Black-throated Robin	I	China, Thailand
<i>Cossypha heinrichi</i>	White-headed Robin-chat	I	Angola, Zaire
<i>Modulatrix orostruthus</i>	Dapple-throat	R	Mozambique, Tanzania
<i>Dryocichloides montanus</i>	Usambara Ground Robin	R	Tanzania
<i>Dryocichloides lowei</i>	Iringa Ground Robin	R	Tanzania
<i>Alethe choloensis</i>	Thyolo Alethe	E	Malawi, Mozambique
<i>Copsychus cebuensis</i>	Black Shama	E	Seychelles
<i>Copsychus sechellarum</i>	Seychelles Magpie Robin	E	Seychelles
<i>Rhyacornis bicolor</i>	Luzon Redstart	R	Luzon (Philippines)
<i>Cochoa azurea</i>	Javan Cochoa	R	Java (Indonesia)
<i>Cochoa beccarii</i>	Sumatran Cochoa	I	Sumatra (Indonesia)
<i>Myadestes myadestinus</i>	Kamoa	E	Hawaiian Is (U.S.A.)
<i>Myadestes lanaiensis</i>	Olomao	E	Hawaiian Is (U.S.A.)
<i>Myadestes palmeri</i>	Puaiohi	E	Hawaiian Is (U.S.A.)
<i>Saxicola macrorhynca</i>	White-browed Bushchat	V	India, Pakistan
<i>Saxicola insignis</i>	Hodgson's Bushchat	K	Mongolia, China, India, Nepal
<i>Saxicola dacotiae</i>	Fuerteventura Stonechat	R	Canary Is. (Spain)
<i>Saxicola gutturalis</i>	White-bellied Bushchat	R	Timor, Roti, & Sema (Indonesia)
<i>Monticola bensoni</i>	Benson's Rockthrush	K	Madagascar
<i>Myiophoneus blighi</i>	Sri Lanka Whistling-thrush	V	Sri Lanka
<i>Zoothera schistacea</i>	Slaty-backed Thrush	R	Tanimbar Is (Indonesia)
<i>Zoothera peronii</i>	Orange-banded Thrush	R	Lesser Sundas (Indonesia)
<i>Zoothera everetti</i>	Everett's Thrush	R	Kalimantan (Indonesia), Sabah & Sarawak (Malaysia)
<i>Zoothera oberlaenderi</i>	Forest Ground-thrush	R	Madagascar
<i>Zoothera kibalensis</i>	Kibale Ground-thrush	I	Uganda
<i>Zoothera fischeri</i>	Spotted Ground-thrush	R	E. Africa, Southern Africa, Zaire
<i>Zoothera major</i>	Anami Thrush	R	Japan
<i>Zoothera machiki</i>	Fawn-breasted Thrush	R	Tanimbar Is (Indonesia)
<i>Turdus helleri</i>	Taita Thrush	E	Kenya
<i>Turdus menachensis</i>	Yemen Thrush	K*	Saudi Arabia, N. Yemen
<i>Turdus feae</i>	Grey-sided Thrush	K	China, Burma, India, Thailand

<i>Psophodes nigrogularis</i>	Western Whipbird	K*	Australia
<i>Pellorneum palustre</i>	Marsh Babbler	K	Bangladesh, India
<i>Trichastoma perspicillatum</i>	Black-browed Babbler	I	Kalimantan (Indonesia)
<i>Trichastoma vanderbilti</i>	Vanderbilt's Babbler	I	Sumatra (Indonesia)
<i>Leonardina woodi</i>	Bagobo Babbler	I	Mindano (Philippines)
<i>Jabouilleia danjoui</i>	Short-tailed Scimitar-babbler	I	Vietnam
<i>Napothera rabori</i>	Rabor's Wren-babbler	K	Luzon (Philippines)
<i>Spelaeornis badeigularis</i>	Rusty-throated Wren-babbler	I	India
<i>Spelaeornis caudatus</i>	Rufous-throated Wren-babbler	K	Bhutan, India, Nepal
<i>Spelaeornis longicaudatus</i>	Tawny-breasted Wren-babbler	R	India
<i>Sphenocichla humei</i>	Wedge-billed Wren-babbler	R	Burma, India
<i>Stachyris rodolphei</i>	Deignan's Babbler	R	Thailand
<i>Stachyris speciosa</i>	Flame-templed Babbler	V	Negros & Panay (Philippines)
<i>Stachyris nigrorum</i>	Negros Babbler	V	Negros & Panay (Philippines)
<i>Stachyris grammiceps</i>	White-breasted Babbler	V	Java (Indonesia)
<i>Stachyris herberti</i>	Sooty Babbler	R	Laos
<i>Stachyris oglei</i>	Snowy-throated Babbler	R	India
<i>Moupinia altirostris</i>	Jerdon's Babbler	V	Bangladesh, Burma, India, Nepal, Pakistan
<i>Turdoides hindei</i>	Hinde's Pied Babbler	V	Kenya
<i>Garrulax cinereifrons</i>	Ashy-headed Laughingthrush	V	Sri Lanka
<i>Garrulax milleti</i>	Black-hooded Laughingthrush	I	Vietnam
<i>Garrulax sukatschewi</i>	Sukatschew's Laughingthrush	K	China
<i>Garrulax bieti</i>	White-speckled Laughingthrush	I	China
<i>Garrulax yersini</i>	Collared Laughingthrush	I	Vietnam
<i>Liocichla omeiensis</i>	Emei Shan Liocichla	R	China
<i>Alcippe variegaticeps</i>	Gold-fronted Fulvetta	V	China
<i>Crocias langbianis</i>	Grey-crowned Crocias	I	Vietnam
<i>Crossleyia xanthophrys</i>	Madagascar Yellowbrow	I	Madagascar
<i>Paradoxornis flavirostris</i>	Black-breasted Parrotbill	I	Bangladesh, Bhutan, Burma, India, Nepal
<i>Paradoxornis zappeyi</i>	Crested Parrotbill	R	China

<i>Paradoxornis przewalskii</i>	Przewalski's Parrotbill	K	China
<i>Paradoxornis davidianus</i>	Short-tailed Parrotbill	R	China, Burma, Laos, Thailand, Vietnam
<i>Paradoxornis ruficeps</i>	Rufous-headed Parrotbill	R	China, Bangladesh, Bhutan, Burma, India, Laos, Vietnam
<i>Picathartes gymnocephalus</i>	White-necked Picathartes	V	West Africa
<i>Picathartes oreas</i>	Grey-necked Picathartes	V	Cameroon, Eq. Guinea, Gabon, Nigeria
<i>Poliophtila lembeyi</i>	Cuban Gnatcatcher	R	Cuba
<i>Bradypterus graueri</i>	Grauer's Scrub-warbler	V	Burundi, Rwanda, Uganda, Zaire
<i>Bradypterus grandis</i>	Ja Scrub-warbler	K	Cameroon, Gabon
<i>Bradypterus major</i>	Large-billed Bush-warbler	R	China, India, Nepal, Pakistan
<i>Acrocephalus paludicola</i>	Aquatic Warbler	K*	Western Palearctic, Africa
<i>Acrocephalus sorghophilus</i>	Streaked Reed-warbler	R	China
<i>Acrocephalus rehsei</i>	Nauru Reed-warbler	E	Nauru
<i>Acrocephalus familiaris</i>	Millerbird	V	Hawaiian Is (U.S.A.)
<i>Acrocephalus rodericanus</i>	Rodrigues Brush Warbler	E	Rodrigues (Mauritius)
<i>Acrocephalus sechellensis</i>	Seychelles Brush Warbler	R	Seychelles
<i>Nesillas aldabranus</i>	Aldabra Warbler	E	Aldabra (Seychelles)
<i>Chloropeta gracilirostris</i>	Papyrus Yellow Warbler	R	Burundi, Kenya, Rwanda, Uganda, Zaire, Zambia
<i>Phylloscopus amoenus</i>	Sombre Leaf Warbler	I	Solomon Is.
<i>Cisticola haesitata</i>	Socotra Cisticola	I	Socotra (S. Yemen)
<i>Cisticola restricta</i>	Tana River Cisticola	K	Kenya
<i>Prinia burnesii</i>	Long-tailed Prinia	R	Bangladesh, India, Pakistan
<i>Prinia fluviatilis</i>	River Prinia	K	Cameroon, Chad, Nigeria
<i>Apalis chariessa</i>	White-winged Apalis	K*	Kenya, Malawi, Mozambique, Tanzania
<i>Apalis karamojae</i>	Karamoja Apalis	K	Tanzania, Uganda
<i>Apalis argentea</i>	Kungwe Apalis	R	Burundi, Rwanda, Tanzania, Zaire
<i>Apalis kaboboensis</i>	Kabobo Apalis	R	Zaire
<i>Apalis moreaui</i>	Long-billed Apalis	R	Mozambique, Tanzania
<i>Bathmocercus winifredae</i>	Mrs Moreau's Warbler	R	Tanzania

<i>Eremomela turneri</i>	Turner's Eremomela	R	Kenya, Uganda, Zaire
<i>Macrosphenus pulitzeri</i>	Pulitzer's Longbill	I	Angola
<i>Amaurocichla bocagii</i>	Sao Tome Short-tail	I	Sao Tome
<i>Chaetornis striatus</i>	Bristled Grass Warbler	K	Bangladesh, India, Nepal
<i>Megalurys pryori</i>	Marsh Grassbird	K	China, Japan
<i>Megalurys albolimbatus</i>	Fly River Grassbird	R	Papua New Guinea, Irian Jaya (Indonesia)
<i>Trichocichla rufa</i>	Long-legged Warbler	I	Fiji
<i>Malurus coronatus</i>	Purple-crowned Fairy-wren	K*	Australia
<i>Amytornis textilis</i>	Thick-billed Grass-wren	K*	Australia
<i>Amytornis goyderi</i>	Eyrean Grass-wren	I	Australia
<i>Amytornis barbatus</i>	Grey Grass-wren	K*	Australia
<i>Amytornis dorotheae</i>	Carpentarian Grass-wren	K*	Australia
<i>Dasyornis longirostris</i>	Western Bristlebird	R	Australia
<i>Gerygone hypoxantha</i>	Biak Gerygone	I	Biak (Indonesia)
<i>Aphelocephala pectoralis</i>	Chestnut-breasted Whiteface	K*	Australia
<i>Melaenornis annamarulae</i>	Nimba Flycatcher	I	Cote d'Ivoire, Liberia
<i>Rhinomyias albigularis</i>	White-throated Jungle-flycatcher	V	Guineas & Negros (Philippines)
<i>Rhinomyias brunneata</i>	Brown-chested Jungle-flycatcher	V	China, India
<i>Rhinomyias colonus</i>	Henna-tailed Jungle-flycatcher	R	Sula Is & Peleng (Indonesia)
<i>Ficedula henrici</i>	Damar Blue Flycatcher	I	Damar (Indonesia)
<i>Ficedula bonthaina</i>	Lompobattang Flycatcher	K	Sulawesi (Indonesia)
<i>Ficedula harterti</i>	Sumba Flycatcher	V	Sumba (Indonesia)
<i>Ficedula timorensis</i>	Black-banded Flycatcher	R	Timor (Indonesia)
<i>Cyornis sanfordi</i>	Matinan Flycatcher	R	Sulawesi (Indonesia)
<i>Cyornis ruecki</i>	Rueck's Blue Flycatcher	I	Sumatra (Indonesia)
<i>Cyornis herioti</i>	Blue-breasted Flycatcher	R	Luzon (Philippines)
<i>Muscicapa lendu</i>	Chapin's Flycatcher	R	Kenya, Uganda, Zaire
<i>Humblotia flavirostris</i>	Grand Comoro Flycatcher	R	Comoros
<i>Newtonia fanouanae</i>	Red-tailed Newtonia	I	Madagascar
<i>Petroica traversi</i>	Chatham Island Robin	E	Chatham Is (New Zealand)
<i>Batis minima</i>	Gabon Batis	K*	Gabon

Platysteira laticincta
Terpsiphone corvina
Eutrichomyias rowleyi
Hypothymis helenae
Hypothymis coelestis
Pomarea dimidiata
Pomarea nigra
Pomarea mendozae
Pomarea iphis
Pomarea whitneyi
Clytorhynchus hamlini
Metabolus rugiensis
Monarcha everetti
Monarcha boanensis
Monarcha brehmii
Myiagra freycineti
Myiagra atra
Rhipidura malaitae
Pachycephala rufogularis
Pachycephala meyeri

Family Paridae

Parus nuchalis
Parus holsti

Family Sittidae

Sitta victoriae
Sitta ledanti
Sitta yunnanensis
Sitta solangiae
Sitta magna
Sitta formosa

Banded Wattle-eye
Seychelles Paradise Flycatcher
Caerulean Paradise Flycatcher
Short-crested Monarch
Celestial Monarch
Rarotonga Monarch
Tahiti Monarch
Marquesas Monarch
Iphis Monarch
Fatuhiva Monarch
Rennell Shrikebill
Truk Monarch
White-tipped Monarch
Black-chinned Monarch
Biak Monarch
Guam Flycatcher
Biak Flycatcher
Malaita Fantail
Red-lored Whistler
Vogelkop Whistler

White-winged Tit
Yellow Tit

White-browed Nuthatch
Algerian Nuthatch
Black-masked Nuthatch
Yellow-billed Nuthatch
Giant Nuthatch
Beautiful Nuthatch

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Cameroon
Seychelles
[Sanghe (Indonesia)]
Philippines
Philippines
Cook Is (New Zealand)
Society Is (France)
Marquesas (France)
Marquesas (France)
Marquesas (France)
Solomon Is.
Caroline Is (F.S.M.)
Tanahjampea (Indonesia)
Boano (Indonesia)
Biak (Indonesia)
Guam (U.S.A.)
Biak & Numfor (Indonesia)
Solomon Is.
Australia
Irian Jaya (Indonesia)

V
V

India
Taiwan

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Burma
Algeria
China
Vietnam
China, Burma, Thailand
China, Bangladesh, Bhutan, Burma,
India, Laos, Vietnam

Family Rhabdornithidae

Rhabdornis grandis

Family Dicaeidae

Dicaeum everetti

Paradalotus quadragintus

Family Nectariniidae

Antheptes rubritorques

Antheptes pallidigaster

Nectarinia buettikoferi

Nectarinia rockefelleri

Nectarinia prigoginei

Nectarinia rufipennis

Dreptes thomensis

Aethopyga duyvenbodei

Family Zosteropidae

Zosterops flavus

Zosterops uropygialis

Zosterops anomalus

Zosterops meeki

Zosterops kuehni

Zosterops luteirostris

Zosterops sanctaecrucis

Zosterops albogularis

Zosterops modestus

Zosterops mauroniensis

Zosterops chloronothus

Long-billed Rhabdornis

Brown-backed Flowerpecker

Forty-spotted Pardalote

Banded Green Sunbird

Amani Sunbird

Apricot-breasted Sunbird

Rockefeller's Sunbird

Marunga Sunbird

Rufous-winged Sunbird

Giant Sunbird

Elegant Sunbird

Javan White-eye

Golden-bellied White-eye

Lemon-throated White-eye

Tagula White-eye

Ambon Yellow White-eye

Splendid White-eye

Nendo White-eye

White-chested White-eye

Seychelles White-eye

Mount Karthala White-eye

Mauritius Olive White-eye

R Luzon (Philippines)

R Natuna Is (Indonesia), Peninsular Malaysia & Sarawak

K* Australia

R Tanzania

R Kenya, Tanzania

V Sumba (Indonesia)

R Zaire

E Zaire

R Tanzania

R Tanzania

V Sangihe & Siau (Indonesia)

R Java & Kalimantan (Indonesia), Sarawak (Malaysia)

I Kai Is (Indonesia)

R Sulawesi (Indonesia)

K Tagula I. (Papua New Guinea)

R Ambon (Indonesia)

R Solomon Is.

K Nendo (Solomon Is)

E Norfolk I. (Australia)

E Seychelles

R Comoros

V Mauritius

Speirops brunneus
Speirops leucophaea
Woodfordia lacertosa
Rukia ruki
Rukia longirostra
Madanga ruficollis
Heleia muelleri

Family Meliphagidae

Lichmera notabilis
Myzomela kuehni
Meliphaga vicina
Apalopteron familiare
Notiomystis cincta
Philemon brassi
Philemon fuscicapillus

Melidectes princeps
Moho braccatus
Moho bishopi
Xanthomyza phrygia
Manorina melanotis

Family Emberizidae

Emberiza sulphurata
Junco insularis
Xenospiza baileyi
Torreornis inexpectata
Rowettia goughensis
Nesospiza acunhae
Nesospiza wilkinsi
Xenospingus concolor

Fernando Po Speirops
 Principe Speirops
 Sanford's White-eye
 Truk White-eye
 Long-billed White-eye
 Rufous-throated White-eye
 Spot-breasted White-eye

Black-chested Honeyeater
 Crimson-hooded Honeyeater
 Tagula Meliphaga
 Bonin Islands Honeyeater
 Stitchbird
 Brass's Friarbird
 Dusky Friarbird

Long-bearded Melidectes
 Kauai Oo
 Bishop's Oo
 Regent Honeyeater
 Black-eared Miner

Japanese Yellow Bunting
 Guadalupe Junco
 Sierra Madre Sparrow
 Zapata Sparrow
 Gough Bunting
 Tristan Bunting
 Grosbeak Bunting
 Slender-billed Finch

R Bioko (Equatorial Guinea)
 R Principe (Sao Tome)
 K Nendo (Solomon Is)
 V Truk Is (F.S.M.)
 R Pohnpei (F.S.M.)
 I Buru (Indonesia)
 R Timor (Indonesia)

I Wetar (Indonesia)
 I Wetar (Indonesia)
 I Tagula I. (Papua New Guinea)
 V Bonin Is (Japan)
 R North Is (New Zealand)
 I Irian Jaya (Indonesia)
 R Halmahera, Bacan & Morotai (Indonesia)

R Papua New Guinea
 E Hawaiian Is (U.S.A.)
 E Hawaiian Is (U.S.A.)
 K* Australia
 K* Australia

R China, Japan, Taiwan, Philippines
 V Guadalupe
 K* Mexico
 R Cuba
 R Tristan da Cunha
 R Tristan da Cunha
 R Tristan da Cunha
 K* Chile, Peru

<i>Inca spiza ortizi</i>	Grey-winged Inca-finch	K*	Peru
<i>Poospiza alticola</i>	Plain-tailed Warbling-finch	K*	Peru
<i>Poospiza rubecula</i>	Rufous-breasted Warbling-finch	K*	Peru
<i>Poospiza garleppi</i>	Cochabamba Mountain-finch	K*	Bolivia
<i>Poospiza baeri</i>	Tucuman Mountain-finch	K*	Argentina
<i>Sporophila frontalis</i>	Buffy-throated Seedeater	K*	Argentina, Brazil, Paraguay
<i>Sporophila falcirostris</i>	Temminck's Seedeater	K*	Argentina, Brazil
<i>Sporophila insulata</i>	Tumaco Seedeater	I	Colombia
<i>Sporophila hypochroma</i>	Rufous-rumped Seedeater	K*	Argentina, Bolivia
<i>Sporophila zelichi</i>	Entre Rios Seedeater	K*	Argentina
<i>Sporophila palustris</i>	Marsh Seedeater	K*	Argentina, Brazil, Paraguay, Uruguay
<i>Sporophila cinnamomea</i>	Chestnut Seedeater	K*	Argentina, Brazil, Paraguay
<i>Amaurospiza moesta</i>	Blackish-blue Seedeater	K*	Argentina, Brazil, Paraguay
<i>Melanospiza richardsoni</i>	St. Lucia Black Finch	K*	Argentina, Brazil
<i>Camarhynchus pauper</i>	Floreana Tree-finch	V	St Lucia
<i>Camarhynchus heliobates</i>	Mangrove Finch	I	Galapagos (Ecuador)
<i>Atlapetes flaviceps</i>	Olive-headed Brush-finch	I	Galapagos (Ecuador)
<i>Atlapetes pallidiceps</i>	Pale-headed Brush-finch	I	Colombia
<i>Oreothraupis arremonops</i>	Tanager-finch	K*	Ecuador
<i>Coryphospiza melanotis</i>	Black-masked Finch	K*	Colombia, Ecuador
<i>Gubernatrix cristata</i>	Yellow Cardinal	K*	Argentina, Bolivia, Brazil, Paraguay
<i>Saltator rufiventris</i>	Rufous-bellied Saltator	K*	Argentina, Brazil, Uruguay
<i>Conothraupis mesoleuca</i>	Cone-billed Tanager	K*	Bolivia
<i>Chlorospingus flavovirens</i>	Yellow-green Bush-tanager	K*	Brazil
<i>Nemosia rourei</i>	Cherry-throated Tanager	K*	Colombia, Ecuador
<i>Habia atrimaxillaris</i>	Black-cheeked Ant-tanager	E	Rio de Janeiro
<i>Habia gutturalis</i>	Sooty Ant-tanager	K*	Costa Rica
<i>Buthraupis melanochlamys</i>	Black-and-gold Tanager	K*	Colombia
<i>Buthraupis aureocincta</i>	Gold-ringed Tanager	K*	Colombia
<i>Buthraupis aureodorsalis</i>	Golden-backed Mountain-tanager	K*	Colombia
		K*	Peru

Weimorethraupis sierrhopteron
Euphonia chalybea
Chlorochrysa nitidissima
Tangara cabanisi
Tangara fastuosa
Tangara peruviana
Tangara meyerdeschauensei
Tangara philipsi
Dacnis albiventris

Dacnis hartlaubi
Dacnis nigripes
Dacnis berlepschi
Diglossa venezuelensis

Family Parulidae

Vermivora bachmani
Dendroica chrysoparia

Dendroica vitellina
Dendroica kirtlandii
Catharopeza bishopi
Geothlypis flavovelata
Geothlypis spectiosa
Leucopeza semperi
Myioborus pariae
Basileuterus griseiceps
Basileuterus cinereicollis
Xenoligea montana
Conirostrum margaritae
Conirostrum tamarugense

Orange-throated Tanager
Green-throated Euphonia
Multicoloured Tanager
Azure-rumped Tanager
Seven-colored Tanager
Black-backed Tanager
Green-capped Tanager
Sira Tanager
White-bellied Dacnis

Turquoise Dacnis
Black-legged Dacnis
Scarlet-breasted Dacnis
Venezuelan Flowerpiercer

Bachman's Warbler
Golden-cheeked Warbler

Vitelline Warbler
Kirtland's Warbler
Whistling Warbler
Altamira Yellowthroat
Black-pollled Yellowthroat
Semper's Warbler
Yellow-faced Redstart
Grey-headed Warbler
Grey-throated Warbler
White-winged Ground Warbler
Pearly-breasted Conebill
Tamarugo Conebill

K* Peru
K* Argentina, Brazil, Paraguay
K* Colombia
I Mexico
V Brazil
K* Brazil
K* Peru
K* Peru
K* Brazil, Colombia, Ecuador, Peru, Venezuela
K* Colombia
K* Brazil
K* Colombia, Ecuador
K* Venezuela

E Bahamas, Cuba, U.S.A.
K* Guatemala, Honduras, Mexico, Nicaragua
R Honduras
E Bahamas, Canada, Mexico, U.S.A.
R St Vincent
K* Mexico
K* Mexico
E St Lucia
K* Venezuela
K* Venezuela
K* Colombia, Venezuela
R Dominican Rep., Haiti
K* Brazil, Peru
K* Chile, Peru

Family Drepanididae

Hemignathus munroi
Hemignathus obscurus
Hemignathus lucidus
Oreomystis bairdi
Paroreomyza flammea
Paroreomyza maculata
Loxops coccineus
Pseudonestor xanthophrys
Telespiza ultima
Telespiza cantans
Psittirostra psittacea
Loxia bairdi
Melanerpes formicivorus
Palmeria dolei

Family Vireonidae

Vireo atricapillus

Family Icteridae

Psarocolius cassini
Psarocolius bifasciatus
Cacicus koepckeae
Icterus bonana
Icterus oberi
Xanthopsar flavus
Agelaius xanthomus
Sturnella defilippi
Hypopyrrhus pyrohypogaster
Curaeus forbesi

Akiapolaau
 Aialoa
 Nukupuu
 Kauai Creeper
 Mulokai Creeper
 Oahu Creeper
 Akepa
 Maui Parrotbill
 Nihoa Finch
 Laysan Finch
 Ou
 Palila
 Poo Uli
 Crested Honeycreeper

V Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 Ex [Hawaii (U.S.A.)]
 E Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 V Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
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 R Hawaii (U.S.A.)

Black-capped Vireo

K* Oklahoma, Texas (U.S.A.), Mexico

Chestnut-mantled Oropendola
 Para Oropendola
 Selva Cacique
 Martinique Oriole
 Montserrat Oriole
 Saffron-cowled Sunbird

K* Colombia
 K* Brazil
 K* Peru
 V Martinique (Lesser Antilles)
 V Montserrat (Leeward Is)
 K* Argentina, Bolivia, Brazil, Paraguay, Uruguay

Yellow-shouldered Blackbird
 Lesser Red-breasted Meadowlark
 Red-bellied Grackle
 Forbes's Blackbird

V Puerto Rico
 K* Argentina, Brazil, Uruguay
 K* Colombia
 K* Brazil

Molothrus armenti

Family Fringillidae

Fringilla teydea
Serinus ankoberensis
Serinus flavigula
Neospiza concolor
Carduelis yarrellii
Carduelis cucullata
Carduelis siemiradzki
Acanthis johannis

Bronze-brown Cowbird

Blue Chaffinch
 Ankober Serin
 Yellow-throated Serin
 Sao Tome Grosbeak
 Yellow-faced Siskin
 Red Siskin
 Saffron Siskin
 Warsangli Linnet

K* Colombia

R Canary Is (Spain)
 R Ethiopia
 I Ethiopia
 I Sao Tome
 K* Brazil, Venezuela
 E Venezuela
 K* Ecuador
 R Somalia

Family Estrildidae

Estrilda poliopareia
Estrilda nigriloris
Amandava formosa
Erythrura viridifacies
Erythrura coloria
Erythrura kleinschmidti
Chloebia gouldiae

Anambra Waxbill
 Black-lored Waxbill
 Green Avadavat
 Green-faced Parrotfinch
 Red-eared Parrotfinch
 Pink-billed Parrotfinch
 Gouldian Finch

K Nigeria
 K Zaire
 R India
 R Luzon (Philippines)
 R Mindano (Philippines)
 K Fiji
 K* Australia

Family Ploceidae

Ploceus bannermani
Ploceus batesi
Ploceus nigritimentum
Ploceus subpersonatus
Ploceus ruweti
Ploceus golandi
Ploceus aureonucha
Ploceus megarhynchus
Ploceus flavipes
Ploceus nicolli

Bannerman's Weaver
 Bates's Weaver
 Black-chinned Weaver
 Loango Weaver
 Lake Lufira Weaver
 Clarke's Weaver
 Golden-naped Weaver
 Finn's Baya Weaver
 Yellow-legged Weaver
 Tanzanian Mountain Weaver

V Cameroon, Nigeria
 R Cameroon
 K Angola, Congo
 K Angola, Congo, Gabon, Zaire
 K Zaire
 E Kenya
 I Zaire
 R India
 V Zaire
 R Tanzania

<i>Ploceus victorinae</i>	Entebbe Weaver	K*	Uganda
<i>Malimbus ibadanensis</i>	Ibadan Malimbe	E	Nigeria
<i>Malimbus ballmanni</i>	Gola Malimbe	I	Cote d'Ivoire, Liberia, Sierra Leone
<i>Foudia rubra</i>	Mauritius Fody	E	Mauritius
<i>Foudia sechellarum</i>	Seychelles Fody	R	Seychelles
<i>Foudia flavicans</i>	Rodrigues Fody	E	Rodrigues (Mauritius)
Family Sturnidae			
<i>Aplonis santovestris</i>	Santo Mountain Starling	I	Vanuatu
<i>Aplonis pelzelni</i>	Pohnpei Mountain Starling	Ex	[Caroline Islands (F.S.M.)]
<i>Aplonis cinerascens</i>	Rarotonga Starling	E	Cook Is.
<i>Cinnyricinclus femoralis</i>	Abbott's Starling	K*	Kenya, Tanzania
<i>Leucopsar rothschildi</i>	Bali Starling	E	Bali (Indonesia)
<i>Basilornis galeatus</i>	Helmeted Myna	R	Banggai & Sula Is (Indonesia)
<i>Streptocitta albertinae</i>	Bare-eyed Myna	R	Sula Is (Indonesia)
Family Oriolidae			
<i>Oriolus isabellae</i>	Isabela Oriole	R	Luzon (Philippines)
<i>Oriolus mellianus</i>	Silver Oriole	I	China
Family Dicruridae			
<i>Dicrurus fuscipennis</i>	Grand Comoro Drongo	R	Comoros
<i>Dicrurus waldenii</i>	Mayotte Drongo	R	Mayotte (France)
Family Callaeidae			
<i>Callaeas cinerea</i>	Kokako	V	New Zealand
<i>Creadion carunculatus</i>	Saddleback	R	New Zealand
Family Ptilonorhynchidae			
<i>Amblyornis flavifrons</i>	Golden-fronted Bowerbird	K	Irian Jaya (Indonesia)
<i>Sericulus bakeri</i>	Fire-maned Bowerbird	R	Papua New Guinea

Family Paradisaeidae
Paradigalla carunculata

R Irian Jaya (Indonesia), Papua New Guinea

Epimachus fastuosus

R Irian Jaya (Indonesia), Papua New Guinea

Astrapia mayeri

V Irian Jaya (Indonesia), Papua New Guinea

Parotia wahnesi
Paradisaea decora

R Papua New Guinea
R Papua New Guinea

Family Corvidae

Cyanolyca pulchra

K* Colombia, Ecuador

Cyanolyca nana

K* Mexico

Cyanolyca mirabilis

K* Mexico

Cyanocorax caeruleus

K* Argentina, Brazil

Perisoreus internigrans

V China

Urocissa ornata

V Sri Lanka

Crypsirina cucullata

V Burma

Zavattiarionis stresemanni

R Ethiopia

Corvus unicolor

R Banggai (Indonesia)

Corvus florensis

R Flores (Indonesia)

Corvus kubaryi

R Guam (U.S.A.)

Corvus hawaiiensis

E Hawaii Is (U.S.A.)

Long-tailed Paradigalla

Black Sicklebill

Ribbon-tailed Astrapia

Wahnes's Parotia

Goldie's Bird of Paradise

Beautiful Jay

Dwarf Jay

White-throated Jay

Azure Jay

Sichuan Jay

Sri Lanka Magpie

Hooded Treepie

Ethiopian Bush-crow

Banggai Crow

Flores Crow

Marianas Crow

Hawaiian Crow

REPTILES and AMPHIBIANS

Class REPTILIA

Order TESTUDINES

Family Carettochelyidae

Carettochelys insculpta

K Australia, New Guinea

New Guinea Plateless Turtle

Family Chelidae

Acanthochelys macrocephala

Acanthochelys pallidipectoris

Acanthochelys spixii

Phrynops dahlí

Phrynops hogei

Phrynops rufipes

Phrynops zuliae

Pseudemydura umbrina

Big-headed Pantanal Swamp Turtle

Chaco Sideneck Turtle

Black Spine-necked Swamp Turtle

Dahl's Toad-headed Turtle

Hoge's Sideneck Turtle

Red-headed Sideneck Turtle

Zulia Toad-headed Turtle

Western Swamp Turtle

K Brazil

R Argentina, Paraguay

K Argentina, Brazil, Uruguay

I Colombia

I Brazil

K Brazil, Colombia

K Venezuela

E Western Australia

Family Cheloniidae

Caretta caretta

Chelonia mydas

Eretmochelys imbricata

Lepidochelys kempii

Lepidochelys olivacea

Loggerhead Turtle

Green Turtle

Hawksbill Turtle

Kemp's or Atlantic Ridley

Olive or Pacific Ridley

V Subtropical & Temperate Seas

E Tropical Seas & Mediterranean

E Tropical Seas

E Gulf of Mexico

E Tropical Seas

Family Chelydridae

Macrochelys temminckii

Alligator Snapping Turtle

V U.S.A.

Family Dermatemydidae

Dermatemys mawii

Central American River Turtle

V Central America

Family Dermochelyidae

Dermochelys coriacea

Leatherback

E Tropical & Temperate Seas

Family Emydidae

Annamemys annamensis

Batagur baska

Callagur borneoensis

Cistoclemys galbinifrons

Cistoclemys hainanensis

Clemmys muhlenbergii

Cuora yunnanensis

Geoclemys hamiltonii

Geoemyda silvatica

Graptemys barbouri

Graptemys caglei

Graptemys flavimaculata

Graptemys oculifera

Heosemys depressa

Heosemys leytenis

Heosemys spinosa

Kachuga kachuga

Kachuga sylhetensis

Kachuga trivittata

Melanochelys tricarinata

Morenia ocellata

Orlitia borneensis

Pseudemys alabamensis

Rhinoclemmys rubida

Terrapene coahuila

Terrapene nelsoni

Trachemys decorata

Trachemys scripta callirostris

Trachemys stejnegeri malonei

Trachemys terrapen felis

Annam Leaf Turtle	K	Vietnam
River Terrapin	E	S.E. Asia
Painted Terrapin	E	S.E. Asia
Indochinese Box Turtle	K	Vietnam
Hainan Box Turtle	K	Hainan (China)
Bog Turtle	R	U.S.A.
Yunnan Box Turtle	K	China
Spotted Pond Turtle	I	South Asia
Cane Turtle	V	India
Barbour's Map Turtle	K	U.S.A.
Cagle's Map Turtle	K	U.S.A.
Yellow-blotched Map Turtle	I	U.S.A.
Ringed Map Turtle	K	U.S.A.
Arakan Forest Turtle	K	Burma
Leyte Pond Turtle	I	Leyte (Philippines)
Spiny Turtle	K	Thailand, Indonesia, Malaysia
Red-crowned Roofed Turtle	I	Bangladesh, India, Nepal
Assam Roofed Turtle	I	Bangladesh, India
Burmese Roofed Turtle	K	Burma
Tricarinata Hill Turtle	I	Bangladesh, India, Nepal
Burmese Eyed Turtle	K	Burma
Malaysian Giant Turtle	K	Indonesia, Malaysia
Alabama Red-bellied Turtle	R	U.S.A.
Mexican Spotted Wood Turtle	K	Mexico
Aquatic Box Turtle	V	Mexico
Spotted Box Turtle	K	Mexico
Hispaniolan Slider	K	Hispaniola
South American Red-lined Turtle	V	Colombia, Venezuela
Inagua Island Turtle	R	Bahamas
Cat Island Turtle	R	Bahamas

Family Kinosternidae

<i>Kinosternon angustipons</i>					
<i>Kinosternon creaseri</i>					Costa Rica, Nicaragua, Panama
<i>Kinosternon dunni</i>				R	Mexico
<i>Kinosternon oxacae</i>				R	Colombia
<i>Sternotherus depressus</i>				I	Mexico
				V	U.S.A.

Family Pelomedusidae

<i>Erymnochelys madagascariensis</i>					
<i>Pelusios seychellensis</i>				I	Madagascar
<i>Podocnemis erythrocephala</i>				K	Seychelles
<i>Podocnemis expansa</i>				K	Brazil, Venezuela
<i>Podocnemis lewiyana</i>				E	Amazon Basin
<i>Podocnemis sextuberculata</i>				I	Colombia
<i>Podocnemis unifilis</i>				K	Brazil, Colombia, Peru
				V	Amazon Basin

Family Testudinidae

<i>Geochelone chilensis</i>					
<i>Geochelone elephantopus</i>				V	Argentina, Paraguay
<i>Geochelone gigantea</i>				V	Galapagos Is (Ecuador)
<i>Geochelone platynota</i>				R	Aldabra (Seychelles)
<i>Geochelone radiata</i>				K	Burma
<i>Geochelone yniphora</i>				V	Madagascar
<i>Gopherus agassizii</i>				E	Madagascar
<i>Gopherus berlandieri</i>				V	Mexico, U.S.A.
<i>Gopherus flavomarginatus</i>				I	Mexico, U.S.A.
<i>Gopherus polyphemus</i>				E	Mexico
<i>Homopus bergeri</i>				V	U.S.A.
<i>Indotestudo elongata</i>				K	Namibia
<i>Indotestudo forstenii</i>				K	India, S.E. Asia
<i>Malacochersus tornieri</i>				R	India, Indonesia*
				K	Kenya, Tanzania

<i>Manouria emys</i>	Burmese Brown Tortoise	K	S.E. Asia
<i>Manouria impressa</i>	Impressed Tortoise	K	S.E. Asia
<i>Psammobates geometricus</i>	Geometric Tortoise	V	South Africa
<i>Pyxis arachnoides</i>	Spider Tortoise	I	Madagascar
<i>Pyxis planicauda</i>	Madagascar Flat-shelled Tortoise	I	Madagascar
<i>Testudo graeca graeca</i>	Spur-thighed Tortoise	V	Europe, North Africa
<i>Testudo hermanni</i>	Hermann's Tortoise	V	Europe
<i>Testudo hermanni boetgeri</i>	Hermann's Tortoise	V	E. Mediterranean
<i>Testudo hermanni hermanni</i>	Hermann's Tortoise	E	W. Mediterranean
<i>Testudo kleinmanni</i>	Egyptian Tortoise	V	Egypt, Israel, Libya
<i>Testudo marginata</i>	Margined Tortoise	R	Greece
Family Trionychidae			
<i>Trionyx nigricans</i>	Black Soft-shell Turtle	R	Bangladesh
Order RHYNCHOCEPHALIA			
Family Sphenodontidae			
<i>Sphenodon punctatus</i>	Tuatara	R	New Zealand
Order SAURIA			
Family Agamidae			
<i>Ceratophora tennentii</i>	Leaf-nosed Lizard	V	Sri Lanka
<i>Hydrosaurus pustulatus</i>	Sail-fin Lizard	V	Philippines
Family Anguidae			
<i>Gerrhonotus panamintinus</i>	Panamint Alligator Lizard	K	U.S.A.
Family Anniellidae			
<i>Anniella pulchra nigra</i>	Black Legless Lizard	I	U.S.A.
Family Chamaeleontidae			
<i>Bradypodion tanenianbronchum</i>	Smith's Dwarf Chamaeleon	V	South Africa

Family Gekkonidae

Nactus serpensinsula
Oedura reticulata
Phelsuma edwardnewtonii
Phelsuma guentheri
Phyllodactylus europaeus

Serpent Island Gecko
Reticulated Velvet Gecko
Rodriguez Day Gecko
Gunther's Gecko
European Leaf-toed Gecko

R Round I., Serpent I. (Mauritius)
V W. Australia
E Mauritius
E Round I. (Mauritius)
R France, Italy, Tunisia

Family Helodermatidae

Heloderma horridum
Heloderma suspectum

Beaded Lizard
Gila Monster

I Guatemala, Mexico
V Mexico, U.S.A.

Family Iguanidae

Amblyrhynchus cristatus
Anolis roosevelti
Brachylophus fasciatus
Brachylophus vitiensis
Conolophus pallidus
Conolophus subcristatus
Cyclura carinata

Galapagos Marine Iguana
Culebra Island Giant Anole
South Pacific Banded Iguana
Fiji Crested Iguana
Barrington Land Iguana
Galapagos Land Iguana
Turks & Caicos Rock Iguana

R Galapagos Is (Ecuador)
E Culebra I. (Puerto Rico)
V Tonga, Fiji
V Fiji
R Galapagos Is (Ecuador)
V Galapagos Is (Ecuador)
R Bahamas, Turks & Caicos Is (West Indies)

Cyclura collei
Cyclura cornuta
Cyclura cychlura
Cyclura nubila
Cyclura pinguis
Cyciura ricordii
Cyclura rileyi
Gambelia situs
Phrynosoma coronatum blainvilliei
Uma inornata

Jamaican Ground Iguana
Rhinoceros Rock Iguana
Andros Ground Iguana
Cuban Ground Iguana
Anegada Ground Iguana
Hispaniola Ground Iguana
San Joaquin Leopard Lizard
San Diego Horned Lizard
Coachella Fringe-toed Lizard

E Jamaica
T Hispaniola, Mona I. (Puerto Rico)
R Bahamas
V Cayman Is (West Indies), Cuba
E Anegada (British Virgin Is)
I Hispaniola
T Bahamas
E U.S.A.
K Mexico, U.S.A.
V U.S.A.

Family Lacertidae

Gallotia simonyi
Podarcis filfolensis filfolensis
Podarcis lilfordi
Podarcis pityusensis

Hierro Giant Lizard
 Filfolia Lizard
 Lilford's Wall Lizard
 Ibiza Wall lizard

E Hierro (Canary Is)
 R Filfolia I. (Malta)
 V Spain
 R Spain

Family Scincidae

Barkudia insularis
Ctenotus lancelini
Gongylomorphus bojerii fontenayi
Macrosclincus coctaei
Pseudemoia palfreymani
Tribolonotus ponceleti
Triliqua adelaidensis

Legless Skink
 Lancelin Island Skink
 Macabe Forest Skink
 Cape Verde Giant Skink
 Pedra Branca Skink

R India
 R Australia
 R Mauritius
 Ex? Cape Verde Is
 R Pedra Brance I. (Australia)
 I Shortland I. (Solomon Is)
 I Australia

Adelaide Pigmy Bluetongue Lizard

Family Teiidae

Ameiva polops
Cnemidophorus hyperythrus

St. Croix Ground Lizard
 Orange-throated Whiptail

E U.S. Virgin Is
 V Mexico, U.S.A.

Family Varanidae

Varanus flavescens
Varanus griseus caspius
Varanus komodoensis
Varanus olivaceus

Yellow Monitor
 Central Asian Monitor
 Komodo Dragon
 Gray's Monitor

I Bangladesh, India, Nepal, Pakistan
 V Central-west Asia
 R Indonesia
 R Luzon (Philippines)

Family Xantusiidae

Xantusia riversiana

Island Night Lizard

R U.S.A.

Order SERPENTES

Family Aniliidae

Anomochilus leonardi

Leonard's Pipe Snake

K Peninsular Malaysia

Family Boidae

<i>Acrantophis dumerili</i>	Dumeril's Boa	K	Madagascar
<i>Acrantophis madagascariensis</i>	Madagascar Boa	K	Madagascar
<i>Bolyeria multicarinata</i>	Round Island Boa	E	Round I. (Mauritius)
<i>Casarea dussumieri</i>	Round Island Keel-scaled Boa	E	Round I. (Mauritius)
<i>Charina bottae umbratica</i>	Southern Rubber Boa	R	U.S.A.
<i>Epicrates angulifer</i>	Cuban Tree Boa	I	Cuba
<i>Epicrates inornatus</i>	Puerto Rican Boa	E	Puerto Rico
<i>Epicrates monensis monensis</i>	Mona Boa	R	Mona I. (Puerto Rico)
<i>Epicrates striatus fosteri</i>	Bimini Boa	R	Bahamas
<i>Epicrates subflavus</i>	Jamaican Boa	V	Jamaica
<i>Python molurus</i>	Indian Python	V	South & South-east Asia
<i>Sanzinia madagascariensis</i>	Madagascar Tree Boa	K	Madagascar

Family Colubridae

<i>Coluber cypriensis</i>	Eastern Indigo Snake	V	Cyprus
<i>Drymarchon corais couperi</i>	Indian Egg-eating Snake	V	U.S.A.
<i>Elachistodon westermanni</i>		R	Bangladesh, India, Nepal
<i>Iguanognathus werneri</i>		I	Sumatra (Indonesia)
<i>Masticophis flagellum ruddocki</i>	San Joaquin Coachwhip	R	U.S.A.
<i>Masticophis lateralis euryxanthus</i>	Alameda Striped Racer	R	U.S.A.
<i>Natrix natrix cetti</i>	Sardinian Grass Snake	R	U.S.A.
<i>Nerodia fasciata taeniata</i>	Atlantic Saltmarsh Snake	V	Sardinia (India)
<i>Nerodia harteri paucimaculata</i>	Concho Water Snake	R	U.S.A.
<i>Nerodia sipedon insularum</i>	Lake Erie Water Snake	V	U.S.A.
<i>Thamnophis gigas</i>	Giant Garter Snake	K	U.S.A.
<i>Thamnophis hammondi</i>	Two-striped Garter Snake	R	U.S.A.
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco Garter Snake	R	Mexico, U.S.A.
<i>Thermophis baileyi</i>		E	U.S.A.
		R	China

Family Elapidae

Brachyaspis atriceps
Hoplocephalus bunaroides
Naja oxiana
Ogmodon vitianus

Broad-headed Snake
 Central Asian Cobra
 Fiji Snake (Bolo)

R Australia
 I Australia
 E Central Asia
 I Fiji

Family Hydrophiidae

Laticauda crockeri

R Rennel I. (Solomon Is)

Family Typhlopidae

Typhlops monensis

Mona Blind Snake

R Mona I. (Puerto Rico)

Family Viperidae

Bothrops insularis
Crotalus unicolor
Crotalus willardi
Vipera ammodytes transcaucasiana
Vipera bornmuelleri
Vipera bulgardaghica
Vipera kaznakovi
Vipera latifii
Vipera raddei
Vipera schweizeri
Vipera ursinii rakosiensis
Vipera wagneri

Queimada Island Bothrops
 Aruba Island Rattlesnake
 Ridge-nosed Rattlesnake
 Transcaucasian Long-nosed Viper

I Queimada I. (Brazil)
 R Netherland Antilles, Venezuela
 T Mexico, U.S.A.
 R Turkey, U.S.S.R.
 I Lebanon, Syria
 I Turkey
 V Turkey, U.S.S.R.

Caucasian Viper
 Latifi's Viper
 Armenian Viper
 Milos Viper
 Orsini's Viper

E Iran
 I Iran, Turkey, U.S.S.R.
 E Cyclades Is (Greece)
 E Central Eastern Europe
 I Turkey, Iran

Order CROCODYLIA

Family Alligatoridae

Alligator sinensis
Caiman latirostris
Melanosuchus niger

Chinese Alligator
 Broad-nosed Caiman
 Black Caiman

E China
 E Southern South America
 E South America

Family Crocodylidae

<i>Crocodylus acutus</i>	American Crocodile	E	Caribbean, Central America, U.S.A.
<i>Crocodylus cataphractus</i>	African Slender-snouted Crocodile	I	Africa
<i>Crocodylus intermedius</i>	Orinoco Crocodile	E	Colombia, Venezuela, Peru
<i>Crocodylus mindorensis</i>	Philippines Crocodile	E	Philippines
<i>Crocodylus moreletii</i>	Morelet's Crocodile	E	Central America
<i>Crocodylus niloticus</i>	Nile Crocodile	V	Africa, Madagascar
<i>Crocodylus palustris</i>	Marsh Crocodile	V	South Asia
<i>Crocodylus porosus</i>	Estuarine Crocodile	V	Asia, Australia, West Pacific
<i>Crocodylus rhombifer</i>	Cuban Crocodile	E	Cuba
<i>Crocodylus siamensis</i>	Siamese Crocodile	E	South-east Asia
<i>Tomistoma schlegelii</i>	False Gharial	E	South-east Asia

Family Gavialidae

<i>Gavialis gangeticus</i>	Gharial	E	South Asia
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Class AMPHIBIA

Order CAUDATA

Family Ambystomatidae

<i>Ambystoma dumerilii dumerilii</i>	Lake Patzcuaro Salamander	R	Mexico
<i>Ambystoma lernaensis</i>	Lake Lerma Salamander	R	Mexico
<i>Ambystoma macrodactylum croceum</i>	Santa Cruz Long-toed Salamander	E	U.S.A.
<i>Ambystoma mexicanum</i>	Axolotl	R	Mexico
<i>Ambystoma tigrinum californiense</i>	California Tiger Salamander	V	U.S.A.
Family Cryptobranchidae			
<i>Andrias davidianus</i>	Chinese Giant Salamander	I	China
<i>Andrias japonicus</i>	Japanese Giant Salamander	R	Japan

Family Hynobiidae

Batrachuperus mustersi

K Afghanistan

Family Plethodontidae

Batrachoseps aridus

Batrachoseps simatus

Batrachoseps stebbinsi

Eurycea nana

Hydromantes brunus

Hydromantes shastae

Phaeognathus hubrichti

Plethodon tarselli

Plethodon neomexicanus

Plethodon nettingi

Plethodon stormi

Speleomantes flavus

Speleomantes genei

Speleomantes imperialis

Speleomantes supramontes

Typhlomolge rathbuni

Typhlotriton spelaeus

Desert Slender Salamander

Kern Canyon Slender Salamander

Tehachapi Slender Salamander

San Marcos Salamander

Limestone Salamander

Shasta Salamander

Red Hills Salamander

Larch Mountain Salamander

Jemez Mountains Salamander

Cheat Mountain Salamander

Siskiyou Mountains Salamander

Sardinian or Brown Cave Salamander

Texas Blind Salamander

Grotto Salamander

Family Proteidae

Proteus anguinus

V Italy, Yugoslavia

Family Salamandridae

Chioglossa lusitanica

Paramesotriton deloustali

Gold-striped Salamander

Vietnamese Salamander

I Portugal, Spain

I Vietnam

Order ANURA

Family Bufonidae

Bufo boreas nelsoni

Bufo exsul

Bufo houstonensis

Bufo periglenes

Bufo retiformis

Nectophrynoides occidentalis

Pedastibes kempi

Pedostibes tuberculosus

Family Discoglossidae

Alytes muletensis

Discoglossus jeanneae

Discoglossus montalenti

Discoglossus nigriventris

Family Hylidae

Hyla andersoni

Pseudacris streckeri illinoensis

Family Hyperoliidae

Tachycinemis seychellensis

Family Leiopelmatidae

Leiopelma archeyi

Leiopelma hamiltoni

Leiopelma hochstetteri

Family Leptodactylidae

Batrachophrynus macrostomus

Amargosa Toad	I	U.S.A.
Black Toad	R	U.S.A.
Houston Toad	E	U.S.A.
Golden Toad	E	Costa Rica
Sonoran Green Toad	V	Mexico, U.S.A.
Mount Nimba Viviparous Toad	V	Guinea, Cote d'Ivoire
Malabar Tree Toad	I	India
Garo Hill Tree Toad	I	India
Mallorcan Midwife Toad	E	Mallorca (Spain)
	R	Spain
	R	Corsica (France)
Israel Painted Frog	Ex?	Israel
Pine Barrens Tree Frog	R	U.S.A.
Illinois Chorus Frog	I	U.S.A.
Seychelles Tree Frog	R	Seychelles
Archey's Frog	R	N. Island (NZ)
Hamilton's Frog	R	New Zealand
Hochstetter's Frog	R	N. Island (NZ)
Lake Junin Giant Frog	K	Peru

Eleutherodactylus jasper
Somuncuria somuncurensis

Family Microhylidae
Melanobatrachus indicus

Family Myobatrachidae
Philoria frosti
Rheobatrachus silus
Rheobatrachus vitellinus

Family Pelobatidae
Pelobates fuscus insubricus

Family Pipidae
Xenopus gilli

Family Ranidae
Conraua goliath
Nesomantis thomasseti
Platymantis vitianus
Rana fisheri
Rana holtzi
Rana latastei
Sooglossus gardineri
Sooglossus sechellensis

Golden Cocqui Frog

Black Microhylid

Baw Baw Frog
 Conondale Gastric-brooding Frog
 Eungella Gastric-brooding Frog

Italian Spadefoot Toad

Cape Platanna

Goliath Frog
 Thomasset's Seychelles Frog
 Fijian Ground Frog
 Vegas Valley Leopard Frog

Italian Agile Frog
 Gardiner's Seychelles Frog
 Seychelles Frog

R Puerto Rico
 I Argentina

I India

I Victoria
 E Australia
 I Australia

V Italy

V South Africa

V Cameroon, Eq. Guinea
 R Seychelles
 K Fiji
 E U.S.A.
 V Turkey
 V Italy, Switzerland, Yugoslavia
 R Seychelles
 R Seychelles

FISH

Class CEPHALASPIDOMORPHI

Order PETROMYZONTIFORMES

Family Petromyzontidae

<i>Lampetra hubbsi</i>	Kern Brook Lamprey	R	U.S.A.
<i>Lampetra macrostoma</i>	Lake Lamprey	R	Canada
<i>Lampetra minima</i>	Miller Lake Lamprey	Ex	[U.S.A.]
<i>Lampetra tridentata</i> (subspecies)	Pacific Lamprey	R	U.S.A.
<i>Mordacia praecox</i>	Non-parasitic Lamprey	R	Australia

Class CHONDRICHTHYES

Order LAMNIFORMES

Family Rhincodontidae

Rhincodon typus

I Tropical & warm temperate seas

Family Lamnidae

Carcharodon carcharias

Cetorhinus maximus

Great White Shark
Basking Shark

K Sub-tropical & warm temperate seas
K Temperate waters

Class OSTEICHTHYES

Order COELACANTHIFORMES

Family Latimeriidae

Latimeria chalumnae

V Comoros, [South Africa]

Order ACIPENSERIFORMES

Family Acipenseridae

Acipenser brevirostrum

Acipenser fulvescens

Acipenser oxyrinchus (subspecies)

Shortnose Sturgeon
Lake Sturgeon
Atlantic Sturgeon

V Canada, U.S.A.
V Canada, U.S.A.
V Canada, U.S.A.

Acipenser schrencki
Acipenser sturio
Huso dauricus
Scaphirhynchus albus
Scaphirhynchus sp.

Family Polyodontidae

Polyodon spathula
Psephurus gladius

Order OSTEOGLOSSIFORMES

Family Osteoglossidae

Arapaima gigas
Scleropages formosus

Family Notopteridae

Notopterus blanci

Order CYPRINIFORMES

Family Cyprinidae

Acanthorutilus handlirschi
Aulopyge hugeli
Balantiocheilus melanopterus
Barbus andrewi
Barbus calidus
Barbus capensis
Barbus erubescens
Barbus halei
Barbus hospes
Barbus serra
Barbus somphongsi
Barbus tenuis

Amur Sturgeon
Common Sturgeon
Kaluga
Pallid Sturgeon
Alabama Sturgeon

Paddlefish
Chinese Paddlefish

Pirarucu
Asian Bonytongue

Indochina Featherback

Cicek
Dalmatian Barbelgudgeon
Silver Shark
Cape Whitefish
Clanwilliam Redfin
Clanwilliam Yellowfish
Twee River Redfin

Namaquab Barb
Sawfin

Slender Redfin

V U.S.S.R.
E Europe
R U.S.S.R.
E U.S.A.
E U.S.A.

V U.S.A.
V China

K Amazon Basin
K South-east Asia

R Cambodia, Thailand

E Turkey
E Yugoslavia
I South-east Asia
V South Africa
R South Africa
R South Africa
V South Africa
I Malaysia, Thailand
R Namibia, South Africa
V South Africa
I Thailand
R South Africa

<i>Barbus treurenensis</i>	Treur River Barb	V	South Africa
<i>Barbus trevelyani</i>	Border Barb	V	South Africa
<i>Caecobarbus geertsii</i>	African Blind Barb Fish	E	Zaire
<i>Caecocypris basimi</i>		R	Iraq
<i>Cephalokompsus pachycheilus</i>		V	Philippines
<i>Chela caeruleostigmata</i>		R	Thailand
<i>Cyprinella bocagrande</i>	Sardinita Bocagrande	V	Mexico
<i>Cyprinella caerulea</i>	Blue Shiner	V	U.S.A.
<i>Cyprinella callitaenia</i>	Bluestripe Shiner	V	U.S.A.
<i>Cyprinella formosa</i>	Beautiful Shiner	V	Mexico, U.S.A.
<i>Cyprinella monacha</i>	Turquoise Shiner	V	U.S.A.
<i>Cyprinella panarcys</i>	Conchos Shiner	E	Mexico
<i>Cyprinella proserpina</i>	Proserpine Shiner	V	Mexico, U.S.A.
<i>Cyprinella sp.</i>	Sardinita Nazas	V	Mexico
<i>Cyprinella xanthicara</i>	Cuatro Cienegas Shiner	E	Mexico
<i>Dionda diaboli</i>	Devil's River Minnow	V	Mexico, U.S.A.
<i>Dionda dichroma</i>	Sardinita de Rio Verde	R	Mexico
<i>Dionda episcopa</i> (subspecies)	Roundnose Minnow	V	Mexico
<i>Dionda mandibularis</i>	Sardinita Quijarrona	E	Mexico
<i>Eremichthys acros</i>	Desert Dace	V	U.S.A.
<i>Evarra bustamantei</i>	Mexican Dace	Ex	[Mexico]
<i>Evarra eigenmanni</i>	Mexican Dace	Ex	[Mexico]
<i>Evarra tlahuacensis</i>	Mexican Dace	Ex	[Mexico]
<i>Garra barreimiae</i>		R	Bahrain, Oman
<i>Garra dunsirei</i>	Alvord Chub	R	Oman
<i>Gila albuordensis</i>	Tui Chub	V	U.S.A.
<i>Gila bicolor</i> (subspecies)	Borax Lake Chub	V	U.S.A.
<i>Gila boraxobius</i>	Thicktail Chub	V	U.S.A.
<i>Gila crassicauda</i>	Humpback Chub	Ex	[U.S.A.]
<i>Gila cypha</i>	Charalito Sonorensis	E	U.S.A.
<i>Gila ditaenia</i>	Bonytail Chub	V	Mexico, U.S.A.
<i>Gila elegans</i>		E	Mexico, U.S.A.

<i>Gila intermedia</i>	Gila Chub	R	Mexico, U.S.A.
<i>Gila modesta</i>	Charalito Saltillo	E	Mexico
<i>Gila nigrescens</i>	Charalito Chihuahua	V	Mexico, U.S.A.
<i>Gila purpurea</i>	Yaqui Chub	V	Mexico, U.S.A.
<i>Gila robusta</i> (subspecies)	Roundtail Chub	V	Mexico, U.S.A.
<i>Hemitremia flammea</i>	Flame Chub	R	U.S.A.
<i>Hybognathus amarus</i>	Rio Grande Minnow	R	U.S.A.
<i>Hybopsis cahnii</i>	Slender Chub	V	U.S.A.
<i>Hybopsis gelida</i>	Sturgeon Chub	V	U.S.A.
<i>Hybopsis meeki</i>	Sicklefin Chub	V	U.S.A.
<i>Iotichthys phlegethontis</i>	Least Chub	E	U.S.A.
<i>Iranocypris typhlops</i>		R	Iran
<i>Labeo fisheri</i>	Green Labeo	E	Sri Lanka
<i>Labeo seeberi</i>	Calnwilliam Sandfish	R	South Africa
<i>Lepidomeda albiwallis</i>	White River Spinedace	E	U.S.A.
<i>Lepidomeda altivelis</i>	Pahrnagat Spinedace	Ex	[U.S.A.]
<i>Lepidomeda mollispinis</i> (subspecies)	Virgin Spinedace	V	U.S.A.
<i>Lepidomeda vittata</i>	Little Colorado Spinedace	V	U.S.A.
<i>Mandibularca resinus</i>		V	Philippines
<i>Meda fulgida</i>	Spikedace	V	[Mexico], U.S.A.
<i>Moapa coriacea</i>	Moapa Dace	E	U.S.A.
<i>Notropis aguirrequenoi</i>	Sardinita del Pilon	V	Mexico
<i>Notropis amecae</i>	Ameca Shiner	Ex	[Mexico]
<i>Notropis aulidion</i>	Durango Shiner	Ex	[Mexico]
<i>Notropis buccula</i>	Smalleye Shiner	R	U.S.A.
<i>Notropis cahabae</i>	Cahaba Shiner	E	U.S.A.
<i>Notropis hubbsi</i>	Bluehead Shiner	R	U.S.A.
<i>Notropis imeldae</i>	Sardinita de Rio Verde	R	Mexico
<i>Notropis jemezanus</i>	Rio Grande Shiner	I	[Mexico], U.S.A.
<i>Notropis mekistocholas</i>	Cape Fear Shiner	E	U.S.A.
<i>Notropis melanostomus</i>	Blackmouth Shiner	V	U.S.A.
<i>Notropis moralesi</i>	Sardinita de Tepelmene	R	Mexico

<i>Notropis orca</i>	Phantom Shiner	Ex	[Mexico, U.S.A.]
<i>Notropis oxyrhynchus</i>	Sharpnose Shiner	R	U.S.A.
<i>Notropis perpallidus</i>	Colorless Shiner	R	U.S.A.
<i>Notropis saladonis</i>	Sardinita de Salado	E	Mexico
<i>Notropis semperasper</i>	Roughhead Shiner	R	U.S.A.
<i>Notropis simus</i>	Bluntnose Shiner	E	[Mexico], U.S.A.
<i>Notropis snelsoni</i>	Ouachita Mountain Shiner	R	U.S.A.
<i>Notropis welaka</i>	Bluenose Shiner	R	U.S.A.
<i>Oregonichthys crameri</i>	Oregon Chub	V	U.S.A.
<i>Ospatulus palaemophagus</i>		V	Philippines
<i>Ospatulus truncatus</i>		V	Philippines
<i>Phenacobius teretulus</i>	Kanawha Minnow	R	U.S.A.
<i>Phoxinus cumberlandensis</i>	Mountain Blackside Dace	E	U.S.A.
<i>Phoxinus tennesseensis</i>	Tennessee Dace	R	U.S.A.
<i>Plagopterus argentissimus</i>	Woundfin	E	U.S.A.
<i>Pogonichthys ciscoides</i>	Clear Lake Splittail	Ex	[U.S.A.]
<i>Pogonichthys macrolepidotus</i>	Sacramento Splittail	R	U.S.A.
<i>Probarbus jullieni</i>	Ikan Temoleh	K	South-east Asia
<i>Pseudobarbus burchelli</i>	Burchell's Redfin	R	South Africa
<i>Pseudobarbus burgi</i>	Berg River Redfin	E	South Africa
<i>Pseudobarbus phlegethon</i>	Fiery Redfin	E	South Africa
<i>Pseudobarbus quathlambae</i>	Maluti Minnow	E	Lesotho
<i>Pychocheilus lucius</i>	Colorado Squafish	E	[Mexico], U.S.A.
<i>Puntius amarus</i>		V	Philippines
<i>Puntius asoka</i>		R	Sri Lanka
<i>Puntius baoulan</i>		V	Philippines
<i>Puntius cataractae</i>		V	Philippines
<i>Puntius clemensi</i>		V	Philippines
<i>Puntius cuningii</i>		V	Sri Lanka
<i>Puntius disa</i>		V	Philippines
<i>Puntius flavifuscus</i>		V	Philippines
<i>Puntius herrei</i>		V	Philippines
	Two Spot Barb		

<i>Puntius katalo</i>			V	Philippines
<i>Puntius lanaoensis</i>			V	Philippines
<i>Puntius lindong</i>			R	Philippines
<i>Puntius mamalak</i>			V	Philippines
<i>Puntius nigrofasciatus</i>			V	Sri Lanka
<i>Puntius palata</i>			V	Philippines
<i>Puntius pleurotaenia</i>			V	Sri Lanka
<i>Puntius sirang</i>			R	Philippines
<i>Puntius srilankensis</i>			E	Sri Lanka
<i>Puntius titteya</i>			V	Sri Lanka
<i>Puntius tras</i>			V	Philippines
<i>Puntius tumba</i>			R	Philippines
<i>Rasbora vaterifloris</i>			V	Sri Lanka
<i>Relictus solitarius</i>			R	U.S.A.
<i>Rhinichthys cataractae</i> (subspecies)			V	Canada, U.S.A.
<i>Rhinichthys deaconi</i>			Ex	[U.S.A.]
<i>Rhinichthys osculus</i> (subspecies)			V	Canada, Mexico, U.S.A.
<i>Semotilus lumbee</i>			R	U.S.A.
<i>Sinocyclocheilus anophthalmus</i>			R	China
<i>Stypodon signifer</i>			Ex	[Mexico]
<i>Tanakia tanago</i>			E	Japan
<i>Tiaroga cobitis</i>			V	[Mexico], U.S.A.
<i>Tylognathus klatti</i>			E	Turkey
<i>Typhlobarbus nudiventris</i>			R	China
<i>Typhlogarra widdowsoni</i>			R	Iraq
Family Cobitidae				
<i>Lepidocephalichthys jonklaasi</i>			E	Sri Lanka
<i>Leptobotia curta</i>			E	Japan
Family Balitoridae				
<i>"Nemacheilus" troglodactaractus</i>			R	Thailand
<i>"Nemacheilus" gejiuensi</i>			R	China
<i>Black Ruby Barb</i>				
<i>Side Striped Barb</i>				
<i>Cherry Barb</i>				
<i>Vateria Flower Rasbora</i>				
<i>Relict Dace</i>				
<i>Longnose Dace</i>				
<i>Las Vegas Dace</i>				
<i>Speckled Dace</i>				
<i>Sandhills Chub</i>				
<i>Stumptooth Minnow</i>				
<i>Tokyo Bitterling</i>				
<i>Loach Minnow</i>				
<i>Spotted Loach</i>				
<i>Ayumodoki</i>				

"Nemacheilus" smithi
"Nemacheilus" starostini
"Nemacheilus" xianggensis
Oreonectes anophthalmus
Schistura jarutani
Schistura oedipus
Schistura sijuensis
Sundoreonectes tiomanensis

Family Catostomidae
Catostomus bernardini
Catostomus cahita
Catostomus catostomus lacustris
Catostomus clarki intermedius
Catostomus conchos
Catostomus dicobolus yarrowi
Catostomus leopoldi
Catostomus microps
Catostomus occidentalis lacusanse
Catostomus rimiculus ssp.
Catostomus santanae
Catostomus sp.
Catostomus warnerensis
Catostomus wigginsi
Chasmistes brevirostris
Chasmistes cujus
Chasmistes liorus liorus
Chasmistes liorus mictus
Chasmistes muriei
Cycleptus elongatus
Deltistes luxatus

R	Iran
R	U.S.S.R.
R	China
R	China
R	Thailand
R	Thailand
R	India
R	Malaysia
V	Mexico, U.S.A.
V	Mexico
R	Canada
E	U.S.A.
R	Mexico
R	U.S.A.
R	Mexico
E	U.S.A.
R	U.S.A.
R	U.S.A.
R	U.S.A.
E	Canada
E	U.S.A.
R	Mexico
E	U.S.A.
E	U.S.A.
Ex	[U.S.A.]
E	U.S.A.
Ex	[U.S.A.]
R	Mexico, U.S.A.
E	U.S.A.

Yaqui Sucker
 Matolote Cahita
 Jasper Longnose Sucker
 White River Sucker
 Matolote Conchos
 Zuni Bluehead Sucker
 Matolote del Bavispe
 Modoc Sucker
 Goose Lake Sucker
 Jenny Creek Sucker
 Santa Ana Sucker
 Salish Sucker
 Warner Sucker
 Matolote Opata
 Shortnose Sucker
 Cui-ui
 June Sucker
 June Sucker
 Snake River Sucker
 Blue Sucker
 Lost River Sucker

Lagochila lacera
Maxostoma ariommum
Maxostoma atripinne
Maxostoma congestum
Maxostoma hamiltoni
Maxostoma hubbsi
Maxostoma sp.
Xyrauchen texanus

Order CHARACIFORMES

Family Characidae

Astyanax mexicanus jordani
Catabasis acuminatus
Gymnocharacinus bergi

Order SILURIFORMES

Family Diplomystidae

Diplomystes chilensis

Family Ictaluridae

Ictalurus australis
Ictalurus lupus
Ictalurus mexicanus
Ictalurus pricei
Ictalurus sp.
Noturus baileyi
Noturus flavipinnis
Noturus furiosus
Noturus gilberti
Noturus lachneri
Noturus munitus
Noturus placidus

Harelip Sucker	Ex	[U.S.A.]
Bigeye Jumprock	R	U.S.A.
Blackfin Sucker	R	U.S.A.
Gray Redhorse	R	Mexico, U.S.A.
Rustyside Sucker	R	U.S.A.
Copper Redhorse	V	Canada
Bighead Redhorse	V	U.S.A.
Razorback Sucker	E	[Mexico], U.S.A.
Sardina Ciega	R	Mexico
Naked Characin	E	Brazil
	V	Argentina
Tollo de Agua Dulce	E	Chile
Bagre del Panuco	R	Mexico
Bagre Lobo	R	Mexico, U.S.A.
Bagre de Rio Verde	R	Mexico
Bagre de Yaqui	R	Mexico
Bagre de Cuatro Cienegas	R	Mexico
Smoky Madtom	E	U.S.A.
Yellowfin Madtom	V	U.S.A.
Carolina Madtom	R	U.S.A.
Orangefin Madtom	V	U.S.A.
Ouachita Madtom	V	U.S.A.
Frecklebelly Madtom	V	U.S.A.
Neosho Madtom	V	U.S.A.

Noturus stanauli
Noturus taylori
Noturus trautmani
Prietella phreatophila
Satan eurystomus
Trogloglanis pattersoni

Family Bagridae

Austroglanis barnardi
Austroglanis gilli
Austroglanis sclateri
Coreobagrus ichikawai

Family Pangasiidae

Pangasianodon gigas
Pangasius sanitwongsei

Family Sisoridae

Oreoglanis siamensis

Family Clariidae

Clarias cavernicola
Horoglanis krishnai

Family Mochokidae

Chiloglanis bifurcus

Family Pimelodidae

Rhamdia reddelli

Pygmy Madtom
Caddo Madtom
Scioto Madtom
Bagre de Muzquiz
Widemouth Blindcat
Toothless Blindcat

Barnard's Rock-catfish
Clanwilliam Rock-catfish
Rock-catfish
Nekogigi

Giant Catfish
Pla Thepa

Cave Catfish
Cave Catfish

Incomati Rock Catlet

Juil Ciego

E U.S.A.
V U.S.A.
E U.S.A.
E Mexico
V U.S.A.
V U.S.A.

E South Africa
R South Africa
R South Africa
E Japan

V Mekong Basin
R Mekong Basin

I Thailand

E Namibia
R India

V South Africa

V Mexico

Order SALMONIFORMES

Family Umbridae

Novumbra hubbsi

Olympic Mudminnow

R U.S.A.

Family Osmeridae

Hypomesus transpacificus

Osmerus spectrum

Delta Smelt

V U.S.A.

Pygmy Smelt

R Canada, U.S.A.

Family Retropinnidae

Prototroctes maraena

Prototroctes oxyrhynchus

Australian Grayling
New Zealand Grayling

V Australia, Tasmania
Ex [New Zealand]

Family Galaxiidae

Galaxias fontanus

Galaxias johnstoni

Galaxias parvus

Galaxias pedderensis

Galaxias tanycephalus

Neochanna burrowsius

Neochanna diversus

Swan Galaxias
Clarence Galaxias
Small Pedder Galaxias
Pedder Galaxias
Saddled Galaxias
Canterbury Mudfish
Black Mudfish

E Tasmania
E Tasmania
V Tasmania
V Tasmania
V Tasmania
R New Zealand
I New Zealand

Family Salmonidae

Coregonus alpenae

Coregonus artedii

Coregonus canadensis

Coregonus hoyi

Coregonus johannae

Coregonus kiyi

Coregonus nigripinnis

Coregonus oxyrhynchus

Coregonus reighardi

Ex [Great Lakes (North America)]
R Great Lakes (North America)
E Great Lakes (North America)
R Great Lakes (North America)
Ex [Great Lakes (North America)]
V Great Lakes (North America)
Ex [Great Lakes (North America)]
E North and Baltic Sea
E Great Lakes (North America)

<i>Coregonus</i> sp.	Opeongo Whitefish	E	Canada
<i>Coregonus</i> sp.	Squanga Whitefish	V	Canada
<i>Coregonus zenithicus</i>	Shortjaw Cisco	E	Great Lakes (North America)
<i>Hucho hucho</i>	Danube Salmon	E	Danube Basin
<i>Onchorhynchus apache</i>	Apache Trout	V	U.S.A.
<i>Onchorhynchus chrysogaster</i>	Mexican Golden Trout	V	Mexico
<i>Onchorhynchus clarki</i> (subspecies)	Cutthroat Trout	V	U.S.A.
<i>Onchorhynchus gilae</i>	Gila Trout	V	U.S.A.
<i>Onchorhynchus</i> sp.	Trucha de Yaqui	R	Mexico
<i>Salmo platycephalus</i>	Ala Balik	E	Turkey
<i>Salmothymus obtusirostris</i>	Adriatic Salmon	E	Yugoslavia
<i>Salvelinus agassizi</i>	Silver Trout	Ex	[U.S.A.]
<i>Salvelinus anaktuwukensis</i>	Angayukaksurak Char	R	U.S.A.
<i>Salvelinus confluentus</i>	Bull Trout	R	Canada, U.S.A.
<i>Stenodus leucichthys leucichthys</i>	Beloribitsa	V	U.S.S.R.

Order PERCOPSIFORMES

Family Amblyopsidae

Amblyopsis rosae
Amblyopsis spelaea
Speoplatyrhinus poulsoni

Ozark Cavefish
Northern Cavefish
Alabama Cavefish

V U.S.A.
V U.S.A.
E U.S.A.

Order OPHIDIIFORMES

Family Ophidiidae

Typhliasina pearsei
Typhliasina sp.

Dama Ciega Blanca
Nueva Dama Ciega

E Mexico
E Mexico

Order CYPRINODONTIFORMES

Family Aplocheilidae

Nothobranchius sp.

Caprivi Killifish

E Namibia

Family Rivulidae

Cynolebias bottoni
Cynolebias constanciae
Cynolebias marmoratus
Cynolebias minimus
Cynolebias opalescens
Cynolebias splendens
Rivulus marmoratus
Rivulus robustus

Brasilia Lyrefin R Brazil
 Ginger Pearlfish V Brazil
 Minute Pearlfish E Brazil
 Opalescent Pearlfish I Brazil
 Splendid Pearlfish E Brazil
 Rivulus R U.S.A.
 Rivulus Almirante R Mexico

Family Fundulidae

Fundulus albolineatus
Fundulus julisia
Fundulus lima
Fundulus waccamensis
Lucania intertioris

Whiteline Topminnow Ex [U.S.A.]
 Barrens Topminnow R U.S.A.
 Killifish V Mexico
 Waccamaw Killifish V U.S.A.
 Sardinilla Cuatro Ciénegas E Mexico

Family Valenciidae

Valencia hispanica

Valencia Toothcarp E Spain

Family Poeciliidae

Gambusia altavazi
Gambusia amistadensis
Gambusia eurystoma
Gambusia gaigei
Gambusia georgei
Gambusia heterochir
Gambusia hurtadoi
Gambusia longispinis
Gambusia nobilis
Gambusia senilis

Guayacon de San Gregorio V Mexico
 Amistad Gambusia Ex [U.S.A.]
 Guayacon Bocon R Mexico
 Big Bend Gambusia E U.S.A.
 San Marcos Gambusia Ex [U.S.A.]
 Clear Creek Gambusia V U.S.A.
 Guayacon de Hacienda Dolores V Mexico
 Guayacon de Cuatro Ciénegas V Mexico
 Pecos Gambusia V U.S.A.
 Guayacon Pinto R Mexico, U.S.A.

Micropanchax schoelleri
Poecilia latipunctata
Poecilia sulphuraria
Poeciliopsis occidentalis
Priapella bonita
Xiphophorus clemenciae
Xiphophorus couchianus
Xiphophorus gordonii
Xiphophorus meyeri

Family Goodeidae

Allotoca maculata
Ameca splendens
Ataeniobius toweri
Characodon audax
Characodon garmani
Characodon lateralis
Crenichthys baileyi (subspecies)
Crenichthys nevadae
Empetrichthys latos concavus
Empetrichthys latos latos
Empetrichthys latos pahrump
Empetrichthys merriami
Girardinichthys multiradiatus
Girardinichthys viviparus
Goodea gracilis
Huibsina turneri
Skiffia francesae
Xenoporphorus capivus

Family Cyprinodontidae

Campellobias brucei

Molly del Tamesi
Molly del Teapa
Charalito
Guayacon Ojiazul
Espada de Clemencia
Platy Monterrey
Platy Cuatro Ciénegas
Platy de Muzquiz

I Egypt
V Mexico
V Mexico
R Mexico, U.S.A.
Ex [Mexico]
R Mexico
E Mexico
E Mexico
E Mexico

Opal Goodeid
Goodeid
Striped Goodeid
Bold Characodon
Parras Characodon
Rainbow Goodeid
White River Springfish
Railroad Valley Springfish
Raycraft Ranch Poolfish
Pahrump Poolfish
Pahrump Ranch Poolfish
Ash Meadows Killifish

E Mexico
E Mexico
E Mexico
V Mexico
Ex [Mexico]
E Mexico
V U.S.A.
V U.S.A.
Ex [U.S.A.]
E U.S.A.
Ex [U.S.A.]
Ex [U.S.A.]
E Mexico
E Mexico
V Mexico
E Mexico
E Mexico
E Mexico

Mexclapique

Tiro
Solo Goodeido

Santa Catarina Sabrefin

Brazil

<i>Cualac tessellatus</i>	Cachorrillo de Media Luna	E	Mexico
<i>Cyprinodon albarezi</i>	Perrito de Potosi	E	Mexico
<i>Cyprinodon atrorus</i>	Perrito del Bolson	R	Mexico
<i>Cyprinodon beltrani</i>	Cachorrillo Lodero	V	Mexico
<i>Cyprinodon bifasciatus</i>	Perrito de Cuatro Ciénegas	R	Mexico
<i>Cyprinodon bovinus</i>	Leon Springs Pupfish	E	U.S.A.
<i>Cyprinodon diabolis</i>	Devils Hole Pupfish	V	U.S.A.
<i>Cyprinodon elegans</i>	Comanche Springs Pupfish	E	U.S.A.
<i>Cyprinodon eximius</i> (subspecies)	Conchos Pupfish	V	Mexico, U.S.A.
<i>Cyprinodon fontinalis</i>	Perrito de Carbonera	E	Mexico
<i>Cyprinodon labiosus</i>	Cachorrillo Cangrejero	V	Mexico
<i>Cyprinodon latifasciatus</i>	Perrito de Parras	Ex	[Mexico]
<i>Cyprinodon macrolepis</i>	Largescale Pupfish	V	Mexico
<i>Cyprinodon macularius</i> (subspecies)	Desert Pupfish	E	Mexico, U.S.A.
<i>Cyprinodon maya</i>	Cachorrillo Gigante	V	Mexico
<i>Cyprinodon meeki</i>	Cachorrillo de Mezquital	E	Mexico
<i>Cyprinodon nazas</i>	Cachorrillo del Aguanaval	V	Mexico
<i>Cyprinodon nevadensis</i> (subspecies)	Amargosa Pupfish	V	U.S.A.
<i>Cyprinodon pachycephalus</i>	Cachorrillo Cabezon	E	Mexico
<i>Cyprinodon pecosensis</i>	Pecos Pupfish	V	U.S.A.
<i>Cyprinodon radiosus</i>	Owens Pupfish	E	U.S.A.
<i>Cyprinodon salinus milleri</i>	Cottonball Marsh Pupfish	R	U.S.A.
<i>Cyprinodon salinus salinus</i>	Salt Creek Pupfish	R	U.S.A.
<i>Cyprinodon simus</i>	Cachorrillo Boxeador	V	Mexico
<i>Cyprinodon spp.</i>	Perritos de Sandia	Ex?	Mexico
<i>Cyprinodon tularosa</i>	White Sands Pupfish	R	U.S.A.
<i>Cyprinodon verucundus</i>	Cachorrillo de Dorsal Larga	V	Mexico
<i>Kosswigichthys asquamatus</i>	Scaleless Killifish	V	Turkey
<i>Megupsilon aporus</i>	Cachorrillo Enano de Potosi	E	Mexico
<i>Orestias cuvieri</i>		E	Bolivia

Order BELONIFORMES
Family Adrianichthyidae
Adrianichthys kruyti
Xenopocilus ophorus
Xenopocilus poptae
Xenopocilus sarasinorum

Duck-billed Bunting
Egg-carrying Bunting
Popta's Bunting

E
E
E
E

Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)

Family Oryziidae
Oryzias marmoratus
Oryzias matanensis
Oryzias nigrimas
Oryzias orthognathus
Oryzias profundicola

Black Bunting
Sharp-jawed Bunting

V
V
V
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V

Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)

Family Hemiramphidae
Dermogenys megarramphus
Dermogenys weberi
Nomoramphus celebensis

Poso Halfbeak

V
V
R

Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)

Order ATHERINIFORMES
Family Atherinidae
Chirostoma bartoni
Chirostoma regani
Menidia conchorum
Menidia extensa
Poblana alchichica
Poblana ferdebueni
Poblana letholepis
Poblana squamata

Charal de la Caldera
Charal del Valle de Mexico
Key Silverside
Waccamaw Silverside
Charal de Alchichica

Charal de la Preciosa
Charal de Quechulac

K
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V

V
V

Mexico
Mexico
U.S.A.
U.S.A.
Mexico
Mexico
Mexico
Mexico

Family Melanotaeniidae

Melanotaenia eachamensis

Pseudomugil mellis

Lake Eacham Rainbowfish

Honey Blue-eye

V Australia

V Australia

Family Phallostethidae

Phallostethus dunckeri

I Malaysia

Family Telmatherinidae

Paratherina cyanea

Paratherina labiosa

Paratherina striata

Paratherina volterecki

Telmatherina abendanoni

Telmatherina bonti

Telmatherina celebensis

Telmatherina ladigesi

V Sulawesi (Indonesia)

V Sulawesi (Indonesia)

V Sulawesi (Indonesia)

V Sulawesi (Indonesia)

V Sulawesi (Indonesia)

V Sulawesi (Indonesia)

V Sulawesi (Indonesia)

R Sulawesi (Indonesia)

Celebes Rainbow

Order GASTEROSTEIFORMES

Family Gasterosteidae

Gasterosteus aculeatus santaeannae

Gasterosteus aculeatus williamsoni

Gasterosteus sp.

Gasterosteus sp.

Santa Ana Stickleback

Unarmored Threespine Stickleback

Giant Stickleback

Enos Stickleback

E U.S.A.

E U.S.A.

V Canada

V Canada

Order SYNGNATHIFORMES

Family Syngnathidae

Hippocampus capensis

Syngnathus watermayeri

Knysna Seahorse

River Pipefish

V South Africa

V South Africa

Order SYNBRANCHIFORMES

Family Synbranchidae

Ophisternon candidum

Ophisternon infernale

Blind Cave Eel
Anguila Ciega

I
E

Australia
Mexico

Order SCORPAENIFORMES

Family Cottidae

Cottus asperimus

Cottus echinatus

Cottus extensus

Cottus greeniei

Cottus leiopomus

Cottus princeps

Cottus pygmaeus

Cottus tenuis

Myoxocephalus quadricornis

Rough Sculpin
Utah Lake Sculpin
Bear Lake Sculpin
Shoshone Sculpin
Wood River Sculpin
Klamath Lake Sculpin
Pygmy Sculpin
Slender Sculpin
Fourhorn Sculpin

R
Ex
R
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V

U.S.A.
[U.S.A.]
U.S.A.
U.S.A.
U.S.A.
U.S.A.
U.S.A.
U.S.A.
Canada

Order PERCIFORMES

Family Percichthyidae

Maccullochella ikei

Maccullochella macquariensis

Maccullochella sp.

Eastern Freshwater Cod
Trout Cod
Mary River Cod

E
E
I

Australia
Australia
Australia

Family Centrarchidae

Ambloplites cavifrons

Elassoma boehlkei

Elassoma okatie

Elassoma sp.

Lepomis megalotis spp.

Micropterus notius

Micropterus salmoides ssp.

Roanoke Bass
Carolina Pygmy Sunfish
Bluebarred Pygmy Sunfish
Spring Pygmy Sunfish
Mojarra de Cuatro Cienegas
Suwannee Bass
Robalo de Cuatro Cienegas

R
R
R
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R
R
R

U.S.A.
U.S.A.
U.S.A.
U.S.A.
Mexico
U.S.A.
Mexico

Micropterus treculi

Family Percidae

Ammocrypta asprella
Ammocrypta pellucida
Etheostoma acuticeps
Etheostoma aquali
Etheostoma australe
Etheostoma boschungii
Etheostoma cinereum
Etheostoma cragini
Etheostoma ditrema
Etheostoma fonticola
Etheostoma grahami
Etheostoma kanawhae
Etheostoma luteovinctum
Etheostoma maculatum
Etheostoma mariae
Etheostoma moorei
Etheostoma nianguae
Etheostoma nuchale
Etheostoma okaloosae
Etheostoma osburni
Etheostoma pallidorsum
Etheostoma pottsi
Etheostoma rubrum
Etheostoma sellare
Etheostoma sp.
Etheostoma striatulum
Etheostoma trisella
Etheostoma tuscumbia
Etheostoma wapiti

Guadalupe Bass

Crystal Darter	R	U.S.A.
Eastern Sand Darter	V	U.S.A.
Sharphead Darter	R	Canada, U.S.A.
Coppercheek Darter	V	U.S.A.
Dardo de Conchos	E	U.S.A.
Slackwater Darter	V	Mexico
Ashy Darter	R	U.S.A.
Arkansas Darter	R	U.S.A.
Coldwater Darter	R	U.S.A.
Fountain Darter	V	U.S.A.
Fountain Darter	E	U.S.A.
Rio Grande Darter	R	Mexico, U.S.A.
Kanawha Darter	R	U.S.A.
Redband Darter	R	U.S.A.
Spotted Darter	R	U.S.A.
Pinewoods Darter	R	U.S.A.
Yellowcheek Darter	V	U.S.A.
Niangua Darter	V	U.S.A.
Watercress Darter	E	U.S.A.
Okaloosa Darter	V	U.S.A.
Finescale Saddled Darter	R	U.S.A.
Paleback Darter	V	U.S.A.
Mexican Darter	V	U.S.A.
Bayou Darter	V	Mexico
Maryland Darter	V	U.S.A.
Dardo de Cuatro Ciénegas	E	U.S.A.
Striated Darter	E	Mexico
Trispot Darter	R	U.S.A.
Tuscumbia Darter	V	U.S.A.
Boulder Darter	V	U.S.A.

<i>Percia schrenki</i>	Balkhash Perch	R	U.S.S.R.
<i>Percina antesella</i>	Amber Darter	E	U.S.A.
<i>Percina aurolineata</i>	Goldline Darter	V	U.S.A.
<i>Percina burtoni</i>	Blotchside Logperch	R	U.S.A.
<i>Percina cymatotaenia</i>	Bluestripe Darter	R	U.S.A.
<i>Percina jenikinsi</i>	Conasauga Logperch	E	U.S.A.
<i>Percina lenticula</i>	Freckled Darter	V	U.S.A.
<i>Percina macrocephala</i>	Longhead Darter	V	U.S.A.
<i>Percina nasuta</i>	Longnose Darter	V	U.S.A.
<i>Percina pantherina</i>	Leopard Darter	V	U.S.A.
<i>Percina rex</i>	Roanoke Logperch	E	U.S.A.
<i>Percina tanasi</i>	Snail Darter	V	U.S.A.
<i>Percina uranidea</i>	Stargazing Darter	R	U.S.A.
<i>Romanichthys valsanicola</i>	Asprete	E	Romania
<i>Zingel asper</i>	Asper	E	Rhone Basin
<i>Zingel streber</i>	Streber	V	Danube Basin
Family Sciaenidae			
<i>Totoaba macdonaldi</i>	Totoaba	E	Mexico
Family Cichlidae			
<i>Astatotilapia brevis</i>	Orange-fringed Largemouth	R	South Africa
<i>Cichlasoma bartoni</i>	Mojarra Caracolera	E	Mexico
<i>Cichlasoma labridens</i>	Mojarra	E	Mexico
<i>Cichlasoma minckleyi</i>	Mojarra Caracolera de Cuatro Cienegas	E	Mexico
<i>Cichlasoma pantostictum</i>	Mojarra	R	Mexico
<i>Cichlasoma</i> sp.	Mojarra Caracolera de Media Luna	E	Mexico
<i>Cichlasoma steindachneri</i>	Mojarra	E	Mexico
<i>Cichlasoma urophthalmus ericymba</i>	Mojarra de Bulha	R	Mexico
<i>Konia dikume</i>	Dikume	E	Mexico
<i>Konia eisentrauti</i>	Konye	V	Cameroon
		V	Cameroon

<i>Myaka myaka</i>	Myaka myaka	V	Cameroon
<i>Oreochromis alcalicus grahami</i>	Lake Magadi Tilapia	R	Kenya
<i>Pungu maclareni</i>	Pungu	V	Cameroon
<i>Sarotherodon caroli</i>	Fissi	V	Cameroon
<i>Sarotherodon linnellii</i>	Unga	V	Cameroon
<i>Sarotherodon lohbergeri</i>	Leka Keppe	V	Cameroon
<i>Sarotherodon steinbachi</i>	Kululu	V	Cameroon
<i>Serranochromis meridianus</i>	Lowveld Largemouth	R	South Africa
<i>Stomatepia mariae</i>	Nsess	V	Cameroon
<i>Stomatepia mongo</i>	Mongo	V	Cameroon
<i>Stomatepia pindu</i>	Pindu	V	Cameroon
<i>Tilapia guinasana</i>	Otiakoto Tilapia	E	Namibia
<i>haplochromine spp.</i> (c. 250 spp.)	Lake Victoria Cichlids	E	East Africa
<i>tilapiine spp.</i> (2 spp.)	Lake Victoria Cichlids	E	East Africa
Family Embiotocidae			
<i>Hysterocharpus traski poma</i>	Russian River Tule Perch	R	U.S.A.
Family Mugilidae			
<i>Myxus capensis</i>	Freshwater Mullet	R	South Africa
Family Eleotrididae			
<i>Eleotris sandwicensis</i>	Oopu	R	U.S.A.
<i>Hypseleotris dayi</i>	Golden Sleeper	R	South Africa
<i>Mogurnda n.sp.</i>	Flinders Gudgeon	V	Australia
Family Gobiidae			
<i>Awaous stamineus</i>	Oopu Nakea	R	U.S.A.
<i>Chlamydogobius n.sp.</i>	Elizabeth Springs Goby	V	Australia
<i>Croilia mossambica</i>	Burrowing Goby	I	South Africa
<i>Economidichthys trichonis</i>		R	Greece
<i>Eucyclogobius newberryi</i>	Tidewater Goby	R	U.S.A.
<i>Glossogobius intermedius</i>		V	Sulawesi (Indonesia)

Glossogobius matanensis
Knipowitschia punctatissima
Knipowitschia thessala
Lenites concolor
Mistichthys luzonensis
Mugilogobius latifrons
Mugilogobius n.sp.
Padogobius nigricans
Redigobius deuuali
Sicydium stimpsoni
Silhouettea sibayi
Stupidogobius flavipinnis
Taenioides jacksoni
Tamanka sarasinorum
Weberogobius amadi

Family Anabantidae
Sandelia bairdii

Family Belontiidae
Belontia signata
Malpulutta kretseri

V		Sulawesi (Indonesia)
R		Greece
E		Greece
V	Oopu Alamoo	U.S.A.
V	Sinarapan	Philippines
V		Sulawesi (Indonesia)
V		Sulawesi (Indonesia)
V		Greece
R	Checked Goby	Mozambique, South Africa
R	Oopu Nopili	U.S.A.
R	Sibayi Goby	South Africa
V		Sulawesi (Indonesia)
V	Bearded Goby	South Africa
V	Sarasin's Goby	Sulawesi (Indonesia)
E	Poso Bungu	Sulawesi (Indonesia)
V	Eastern Province Rocky	South Africa
R	Combtail	Sri Lanka
V	Ornate Paradisefish	Sri Lanka

INVERTEBRATES
Other than Insects

Phylum CILIOPHORA	
Class POLYHYMENOPHOREA	
Order HETEROTRICHIDA	
Family Stentoridae	
<i>Stentor introversus</i>	K U.S.A.
Phylum CNIDARIA	
Order GORGONACEA	
Family Plexauridae	
<i>Eunicella verrucosa</i>	K Mediterranean Sea, N.E. Atlantic Ocean
Order HELIOPORACEA	
Family Coralliidae	
<i>Corallium</i> (20 species)	CT Mediterranean Sea, Pacific Ocean
Order ACTINARIA	
Family Edwardsiidae	
<i>Edwardsia ivellii</i>	Ex? U.K.
<i>Nematostella vectensis</i>	V U.K., North America
Order ANTIPATHARIA	
Family Anthipathidae	
<i>Anthipathidae</i> (c 150 species)	CT Caribbean, Indo-Pacific
Class TURBELLARIA	
Order TRICLADIDA	
Family Kenkiidae	
<i>Kenkia rhynchida</i>	R U.S.A.
<i>Romankenkius pedderensis</i>	Ex? Tasmania
<i>Sphalloplana holsingeri</i>	E U.S.A.
<i>Sphalloplana subtilis</i>	E U.S.A.

Phylum NEMERTEA

Class ENOPLA

Order HOPLONEMERTEA

Family Prosorhochmidae

Antiponemertes allisonae

Argonemertes australiensis

Argonemertes hillii

Argonemertes stocki

Geonemertes rodericana

Katechonemertes nightingaleensis

Leptonemertes chalicophora

Pantinonemertes agricola

Pantinonemertes enalios

Pantinonemertes winsori

V New Zealand
R Australia
R Australia
R Australia
R Rodrigues
R Tristan da Cunha
R Madeira, Azores, Canary Is (Spain)
R Bermuda
K Australia
K Australia

Phylum MOLLUSCA

Order GYMNOSOMATA

Family Corambidae

Doridella batava

K Netherlands

Zuiderzee Doridella Sea Slug

Class BIVALVIA

Order PTERIOIDA

Family Pteriidae

Pinctada margaritifera

Pinctada maxima

CT Indo-Pacific
CT Indo-Pacific

Black-lipped Pearl Oyster
Gold-lipped Pearl Oyster

Order UNIONOIDA

Family Unionidae		
<i>Alasmidonta arcula</i>		U.S.A.
<i>Alasmidonta atropurpurea</i>		U.S.A.
<i>Alasmidonta heterodon</i>		U.S.A.
<i>Alasmidonta raveneliana</i>		U.S.A.
<i>Alasmidonta robusta</i>		U.S.A.
<i>Alasmidonta wrightiana</i>		U.S.A.
<i>Arkansia wheeleri</i>		U.S.A.
<i>Canthyria collina</i>		U.S.A.
<i>Canthyria spinosa</i>		U.S.A.
<i>Carunculina pulla</i>		U.S.A.
<i>Conradilla caelata</i>		U.S.A.
<i>Cyrogenia aberti</i>		U.S.A.
<i>Cyrogenia irrorata</i>		U.S.A.
<i>Cyrtonebias tampicoensis tecomatensis</i>		U.S.A.
<i>Dromus dromas</i>		Mexico
<i>Elliptio marsupiobesa</i>		U.S.A.
<i>Elliptio nigella</i>		U.S.A.
<i>Elliptio</i> sp.		[U.S.A.]
<i>Elliptio spinosa</i>		U.S.A.
<i>Elliptio steinstansana</i>		U.S.A.
<i>Elliptio waccamawensis</i>		U.S.A.
<i>Epioblasma arcaeformis</i>		U.S.A.
<i>Epioblasma biemarginata</i>		U.S.A.
<i>Epioblasma brevidens</i>		U.S.A.
<i>Epioblasma capsaeformis</i>		U.S.A.
<i>Epioblasma curtisi</i>		[U.S.A.]
<i>Epioblasma flexuosa</i>		U.S.A.
<i>Epioblasma florentina curtisi</i>		U.S.A.
<i>Epioblasma florentina florentina</i>		U.S.A.
Dwarf Wedge Mussel		
Wheeler's Pearly Mussel		
James River Spiny Mussel		
Georgia Spiny Mussel		
Savannah Shore Mussel		
Birdwing Pearly Mussel		
Western Fan-shell Pearly Mussel		
Eastern Fan-shell Pearly Mussel		
Tampico Pearly Mussel		
Dromedary Pearly Mussel		
Cape Fear Spike Pearly Mussel		
Recovery Pearly Mussel		
Waccamaw Lake Pearly Mussel		
Georgia Spiny Mussel		
Tar River Spiny Mussel		
Waccamaw Spike		
Arc-form Pearly Mussell		
Arcuate Pearly Mussel		
Curtis Pearly Mussel		
Yellow-blossom Pearly Mussel		

<i>Epioblasma haysiana</i>	Acorn Pearly Mussel	E	U.S.A.
<i>Epioblasma lefevrei</i>	Lefevre's Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma lenior</i>	Stone's Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma lewisi</i>	Lewis Pearly Mussel	Ex?	U.S.A.
<i>Epioblasma metastriata</i>		E	U.S.A.
<i>Epioblasma othcaloogensis</i>	Southern Acorn Riffle Shell	E	U.S.A.
<i>Epioblasma penita</i>	Penitent Mussel	E	U.S.A.
<i>Epioblasma personata</i>	Fine-rayed Pearly Mussel	E	U.S.A.
<i>Epioblasma propinqua</i>	Nearby Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma sampsoni</i>	Sampson's Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma stewardsoni</i>	Steward's Pearly Mussel	E	U.S.A.
<i>Epioblasma sulcata delicata</i>	White Cat's Paw Mussel	Ex	[U.S.A.]
<i>Epioblasma sulcata sulcata</i>	Purple Cat's Paw Mussel	E	U.S.A.
<i>Epioblasma torulosa gubernaculum</i>	Green-blossom Pearly Mussel	E	U.S.A.
<i>Epioblasma torulosa rangiana</i>	Tan-blossom Pearly Mussel	E	U.S.A.
<i>Epioblasma torulosa torulosa</i>	Tubercled-blossom Pearly Mussel	E	Canada, U.S.A.
<i>Epioblasma triquetra</i>	Snuffbox	E	U.S.A.
<i>Epioblasma turgidula</i>	Turgid-blossom Pearly Mussel	V	U.S.A.
<i>Epioblasma walkeri</i>	Tan Riffle Shell Mussel	E	U.S.A.
<i>Fusconaia collina</i>	Virginia Spiny Mussel	E	U.S.A.
<i>Fusconaia cuneolus</i>	Fine-rayed Pigtoe Pearly Mussel	I	U.S.A.
<i>Fusconaia edgariana</i>	Shiny Pigtoe Pearly Mussel	E	U.S.A.
<i>Hemistena lata</i>	Cracking Pearly Mussel	E	U.S.A.
<i>Lampsilis dolabraeformis</i>		Ex?	U.S.A.
<i>Lampsilis fasciola</i>	Higgin's Eye Pearly Mussel	Ex	[U.S.A.]
<i>Lampsilis higginsii</i>		E	U.S.A.
<i>Lampsilis hostonia</i>	Pink Mucket Pearly Mussel	Ex	[U.S.A.]
<i>Lampsilis orbiculata</i>		E	U.S.A.
<i>Lampsilis perovialis</i>	Neosho Pearly Mussel	I	U.S.A.
<i>Lampsilis rafinesqueana</i>		E	U.S.A.
<i>Lampsilis streckeri</i>		I	U.S.A.
<i>Lampsilis virescens</i>	Alabama Lamp Pearly Mussel	E	U.S.A.

<i>Lasmigona holstonia</i>				I	U.S.A.
<i>Leptodea leptodon</i>		Scale Shell		I	U.S.A.
<i>Lexingtonia dolabelloides</i>		Slab-sided Pearly Mussel		I	U.S.A.
<i>Megalonaia nicklineana</i>		Nicklin's Pearly Mussel		I	U.S.A.
<i>Microcondylaea compressa</i>				E	Mexico
<i>Obovaria retusa</i>		Golf Stick Pearly Mussel		I	Southern Europe
<i>Pegias fabula</i>		Little Winged Pearly Mussel		I	U.S.A.
<i>Plectomeris dombeyana</i>				E	U.S.A.
<i>Plethobasus cicatricosus</i>		White Warty Back Pearly Mussel		Ex	[U.S.A.]
<i>Plethobasus cooperianus</i>		Cumberland Pigtoe		E	U.S.A.
<i>Pleurobema clava</i>		Northern Club Shell		E	U.S.A.
<i>Pleurobema curtum</i>		Curtus's Mussel		I	U.S.A.
<i>Pleurobema marshalli</i>		Marshall's Mussel		E	U.S.A.
<i>Pleurobema oviforme</i>				I	U.S.A.
<i>Pleurobema plenum</i>		Rough Pigtoe Pearly Mussel		E	U.S.A.
<i>Pleurobema rubrum</i>				I	U.S.A.
<i>Pleurobema taitianum</i>		Judge Tait's Mussel		E	U.S.A.
<i>Potamilus capax</i>		Fat Pocketbook		E	U.S.A.
<i>Potamilus inflatus</i>				I	U.S.A.
<i>Quadrula cylindrica strigillata</i>		Rough Rabbit's Foot Pearly Mussel		I	U.S.A.
<i>Quadrula fragosa</i>		Rough Maple Leaf Pearly Mussel		Ex	[U.S.A.]
<i>Quadrula intermedia</i>		Cumberland Monkey Face Pearly Mussel		E	U.S.A.
<i>Quadrula sparsa</i>		Appalachian Monkey Face Pearly Mussel		E	U.S.A.
<i>Quadrula stapes</i>		Stirrup Shell		E	U.S.A.
<i>Simponaia ambigua</i>				I	U.S.A.
<i>Simpsoniconcha ambigua</i>		Salamander Mussel		I	U.S.A.
<i>Toxolasma cylindrella</i>		Pale Lilliput Pearly Mussel		E	U.S.A.
<i>Unio crassus</i>				V	Central & Northern Europe
<i>Unio elongatulus</i>				I	Southern Europe
<i>Villosa choctawensis</i>		Choctaw Pearly Mussel		I	U.S.A.
<i>Villosa fabalis</i>		Bean Mussel		I	U.S.A.
<i>Villosa ortmanni</i>		Ortmann's Pearly Mussel		R	U.S.A.

Villosa purpurea
Villosa trabalis

Family Margaritiferidae

Cumberlandia monodonta
Margaritifera auricularia
Margaritifera margaritifera
Margaritifera marrianae

Fine-rayed Purple Pearly Mussel
 Cumberland Bean Pearly Mussel

I U.S.A.
 E U.S.A.

Order VENEROIDA

Family Tridacnidae

Hippopus hippopus
Hippopus porcellanus
Tridacna crocea
Tridacna derasa
Tridacna gigas
Tridacna maxima
Tridacna squamosa

Horse's Hoof Clam
 China Clam
 Crocus Clam
 Southern Giant Clam
 Giant Clam
 Small Giant Clam
 Scaly Clam

I Indo-Pacific
 I Indo-Pacific
 K Indo-Pacific
 V Indo-Pacific
 V Indo-Pacific
 K Indo-Pacific
 I Indo-Pacific

Family Pisidiidae

Pisidium ultramontanum

I U.S.A.

Family Hyriidae

Vesunio moretonicus

I Tasmania

Class GASTROPODA

Order ARCHAEOGASTROPODA

Family Turbinidae

Turbo marmoratus

Green Snail

CT Indo-Pacific

Family Neritidae

Neritilia hawaiiensis

I Hawaii (U.S.A.)

Order MESOGASTROPODA

Family Valvatidae

Valvata utahensis

Utah Roundmouth Snail

U.S.A.

I

Family Pomatiasidae

Pomatias raricosta

Tenerife (Canary Is, Spain)

V

Family Hydrobiidae

Amnicola deserta

Aphaestracon asthenes

Aphaestracon monas

Aphaestracon pycnus

Aphaestracon xynoelectus

Arganiella exilis

Aventionia brevis

Belgrandiella pyrenaica

Bythinella bicarinata

Bythinella carinulata

Bythinella pupoides

Bythinella reyniesii

Bythinella vesontiana

Bythinella viridis

Bythiospeum articense

Bythiospeum bressanum

Bythiospeum diaphanum

Bythiospeum garnieri

Cinninnatia helicogyra

Cinninnatia mica

Cinninnatia monroensis

Cinninnatia parva

Cinninnatia ponderosa

St George Snail

Blue Spring Aphaestracon

Wekiwa Springs Aphaestracon

Compact Hydrobe Snail

Fenney's Spring Hydrobe Snail

U.S.A.

U.S.A.

U.S.A.

U.S.A.

U.S.A.

France

Belgium, France, Netherlands

France

France

France

France, Switzerland

Austria, France

France

France

France

France

France, Switzerland

France

U.S.A.

U.S.A.

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<i>Cinninnatia vanhyningi</i>	Seminole Spring Snail	I	U.S.A.
<i>Cinninnatia wekiwae</i>	Wekiwa Spring Snail	I	U.S.A.
<i>Coahuilix hubbsi</i>	Coahuilix de Hubbs Snail	V	Mexico
<i>Cochliopa texana</i>	Phantom Cave Snail	I	U.S.A.
<i>Cochliopina milleri</i>	Miller's Snail	V	Mexico
<i>Coxiella striata</i>		I	Tasmania
<i>Durangonella coahuilae</i>	Durangonella de Coahuila Snail	V	Mexico
<i>Fissuria boui</i>		I	France
<i>Fluminicola avernalis</i>	Muddy Valley Turban Snail	I	U.S.A.
<i>Fluminicola erythopoma</i>	Point of Rocks Spring Snail	E	U.S.A.
<i>Fluminicola merriami</i>	Pahrangat Valley Turban Snail	I	U.S.A.
<i>Fluminicola robusta</i>	Elk Island Snail	I	U.S.A.
<i>Fluminicola</i> sp. (3 species)		I	U.S.A.
<i>Fontelicella micrococcus</i>	Amargosa Fontelicella	I	U.S.A.
<i>Fontelicella neomexicana</i>	Socorro Spring Snail	E*	U.S.A.
<i>Fontelicella robusta</i>		I	U.S.A.
<i>Fontelicella robusta walkeri</i>		I	U.S.A.
<i>Fontelicella</i> sp. a	Roswell Fontelicella	V	U.S.A.
<i>Fontelicella</i> sp. b (2 species)		I	U.S.A.
<i>Glacidorbis pawpela</i>		I	Tasmania
<i>Glacidorbis pedderi</i>		I	Tasmania
<i>Hauffenia minuta</i>		I	France, Switzerland
<i>Hydrobia scamandri</i>		I	France
<i>Lithoglyphus columbiana</i>	Giant Columbia River Spire Snail	E	U.S.A.
<i>Lithabitella elliptica</i>		I	France
<i>Marstonia agarhecta</i>		I	U.S.A.
<i>Marstonia castor</i>		I	U.S.A.
<i>Marstonia ogmoraphe</i>	Obese Marstonia Snail	I	U.S.A.
<i>Marstonia pachytia</i>	Thick-shelled Marstonia Snail	I	U.S.A.
<i>Mexipyrus carranzae</i>	Mexipyrus de Carranza Snail	V	Mexico
<i>Mexipyrus churinceanus</i>	Mexipyrus de Churince Snail	V	Mexico
<i>Mexipyrus escobeda</i>	Mexipyrus de Escobeda Snail	V	Mexico

<i>Mexipyrus lugoi</i>	Mexipyrus de Lugo Snail	V	Mexico
<i>Mexipyrus mojarrales</i>	Mexipyrus de West El Mojarral Snail	V	Mexico
<i>Mexipyrus multilineatus</i>	Mexipyrus de East El Mojarral Snail	V	Mexico
<i>Mexithauma quadripaludium</i>	Mexithauma de Cienegas Snail	V	Mexico
<i>Moitessieria juvenisanguis</i>		I	France
<i>Moitessieria lineolata</i>		I	France
<i>Moitessieria locardi</i>		I	France
<i>Moitessieria puteana</i>		I	France
<i>Moitessieria rayi</i>		I	France
<i>Moitessieria rolandiana</i>		I	France
<i>Moitessieria simoniana</i>		I	France
<i>Nymphophilus minckleyi</i>	Nymphophilus de Minckley Snail	V	Mexico
<i>Palacanthilhiopsis vervierii</i>		I	France
<i>Paladilhia pleurotoma</i>		I	France
<i>Paladilhiois bourgnati</i>		I	France
<i>Paludiscala caramba</i>		V	Mexico
<i>Plagigeyeria conilis</i>	Paludiscala de Oro Snail	I	France
<i>Pseudamnicola anteisensis</i>		I	France
<i>Pseudamnicola klemmi</i>		I	France
<i>Somatogyrus catanotus</i>		I	France
<i>Somatogyrus parvulus</i>		I	U.S.A.
<i>Somatogyrus tenax</i>		I	U.S.A.
<i>Stiobia nana</i>		I	U.S.A.
<i>Tryonia cheatumi</i>	Cheatum's Snail	I	U.S.A.
<i>Tryonia clathrata</i>	White River Snail	I	U.S.A.
<i>Tryonia imitator</i>	California Brackish Water Snail	I	U.S.A.
<i>Tryonia n.sp.</i> (6 species)		I	U.S.A.
Family Assimineidae			
<i>Assimineae infirma</i>	Badwater Snail	I	U.S.A.
<i>Assimineae sp.</i>	Pecos Assiminea Snail	V	U.S.A.

Family Aciculidae

Platyla foliniana
Renea bourguignatiana
Renea gormonti
Renea moutonii
Renea paillona
Renea singularis

I France
 I France
 I France
 I France
 I France
 I France

Family Pleuroceridae

Apella alabamensis
Apella babylonia
Athearni anthonyi
Athearni crassa
Elimia albanyensis
Goniobasis albanyensis
Io arwigera arwigera
Io fluviatilis
Leptoxis crassa
Leptoxis praerosa
Leptoxis subumbilicata
Lithasia armigera
Lithasia duttoniana
Lithasia geniculata
Lithasia jayana
Lithasia lima
Lithasia salebrosa
Lithasia verrucosa

Alabama Coosa Slit-shell
 Babylon Coosa Slit-shell
 Anthony's River Snail
 Crass River Snail
 Albany River Snail
 Spiny River Snail
 Mainstream River Snail
 Armigerous River Snail
 Dutton's River Snail
 Genuiculate River Snail
 Jay's River Snail
 Elk River File Snail
 Rugged River Snail
 Verrucose File Snail

Ex [U.S.A.]
 Ex [U.S.A.]
 Ex [U.S.A.]
 I U.S.A.
 I U.S.A.
 I U.S.A.
 E U.S.A.
 V U.S.A.
 I U.S.A.
 Ex [U.S.A.]
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 E U.S.A.
 E U.S.A.
 E U.S.A.
 I U.S.A.

Family Strombidae

Strombus gigas

Queen Conch

CT Caribbean

Family Cymatidae

Charonia tritonis

Order BASOMMATOPHORA

Family Lymnaeidae

Lymnaea kingii

Myxas glutinosa

Stagnicola pilsbryi

Family Laniidae

Fisherola nuttalli

Family Physidae

Physa sp.

Physa spelunca

Physa utahensis

Physa virgata

Physa zioni

Stenophysa microstriata

Family Planorbidae

Ancylastrum cumingianus

Helisoma jacksonense

Helisoma magnificum

Segmentina nitida

Taphius eucosmius eucosmius

Order STYLOMMATOPHORA

Family Achatinellidae

Achatinella a (41 species)

Triton's Trumpet

Utah Band Snail

Glutinous Snail

Fish Springs Pond Snail

Giant Columbia River Limpet

Snake River Physa Snail

Wyoming Cave Snail

Utah Bubble Snail

Zion Canyon Snail

Fish Lake Snail

Tasmanian Freshwater 'Limpet'

Jackson Lake Snail

Cape Fear Ramshorn Snail

Shiny Ram's-Horn

Greenfield Ramshorn Snail

22 species Little Agate Shells

19 species Little Agate Shells

R Indo-Pacific

I U.S.A.

V Europe

I U.S.A.

I U.S.A.

V U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

E Tasmania

I U.S.A.

I U.S.A.

V Europe

I U.S.A.

Ex [Hawaii, (U.S.A.)]

E Hawaii (U.S.A.)

Partulina confusa
Partulina crassa
Partulina fusoides
Partulina montagui
Partulina perdix
Partulina splendida
Perdicella kuhnsi

Family Partulidae

Partula aurantia
Partula exigua
Partula gibba
Partula hebe
Partula langfordi
Partula mirabilis
Partula mooreana
Partula radiolata
Partula salifana
Partula suturalis
Partula taeniata
Partula tohiveana
Samoana abbreviata
Samoana diaphana
Samoana fragilis
Samoana solitaria

Family Cochlicopidae

Cryptazeca monodonta
Cryptazeca subcylindrica
Hypnophila remyi

E	Hawaii (U.S.A.)
Ex	[Hawaii (U.S.A.)]
V	Hawaii (U.S.A.)
Ex	[Hawaii (U.S.A.)]
V	Hawaii (U.S.A.)
V	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)

Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
E	Guam (U.S.A.)
E	Society Is
E	Mariana Is (U.S.A.)
Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
V	Guam (U.S.A.)
Ex?	Guam (U.S.A.)
Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
I	American Samoa
E	Society Is
E	Guam (U.S.A.)
E	Society Is

I	Pyrenees (France & Spain)
I	France
I	Corsica (France)

Family Amastridae

Carelia (all species)
Thaanumia sp.

Family Chondrinidae

Chondrina megacheilos caziotana
Leiostyla abbreviata
Leiostyla cassida
Leiostyla corneocostata
Leiostyla gibba
Leiostyla lamellosa
Solatopupa cianensis
Solatopupa guidoni
Solatopupa psarolena
Sterkia clementina

Family Vertiginidae

Truncatellina arcyensis
Vertigo alabamensis
Vertigo angustior
Vertigo genesii
Vertigo geyeri
Vertigo hebardii
Vertigo moulinsiana

Family Enidae

Napaeus badiusus
Napaeus nanodes
Napaeus propinguius
Napaeus roccellicola
Napaeus tarnerianus

Ex [Hawaii (U.S.A.)]
Ex? Hawaii (U.S.A.)

I France
V Madeira (Portugal)
V Madeira (Portugal)
V Madeira (Portugal)
V Madeira (Portugal)
V Madeira (Portugal)
I France
I Corsica (France)
I France
I U.S.A.

Madeiran Land Snail
Madeiran Land Snail
Madeiran Land Snail
Madeiran Land Snail
Madeiran Land Snail

San Clemente Island Blunt-top Snail

I France
I U.S.A.
V Europe
V Europe
V Europe
I U.S.A.
V Europe

Narrow-mouthed Whorl Snail
Round-mouthed Whorl Snail

Des Moulin's Snail

V Tenerife (Canary Is, Spain)
R Tenerife (Canary Is, Spain)
R Tenerife (Canary Is, Spain)
E Tenerife (Canary Is, Spain)
R Tenerife (Canary Is, Spain)

<i>Napæus variatus</i>			V	Tenerife (Canary Is, Spain)
Family Clausiliidae				
<i>Balea perversa</i>	Tree Snail		V	Europe
<i>Laminifera pauli</i>			I	France
<i>Macrogastra lineolata euzieriana</i>			I	France
Family Succineidae				
<i>Catinella arenaria</i>	Sandbowl Snail		V	Europe
<i>Oxyloma haydeni kanabensis</i>	Kanab Amber Snail		I	U.S.A.
<i>Succinea chittenangoensis</i>	Chittenango Ovate Amber Snail		V	U.S.A.
Family Streptaxidae				
<i>Gulella plantii</i>	Plant's Gulella Snail		V	South Africa
Family Rhytididae				
<i>Paryphanta busbyi</i>	Kauri Amber Snail		V	New Zealand
<i>Paryphanta compta</i>			V	New Zealand
<i>Paryphanta fletcheri</i>			V	New Zealand
<i>Paryphanta gilliesi</i>			V	New Zealand
<i>Paryphanta hochstetteri</i>			V	New Zealand
<i>Paryphanta lignaria</i>			V	New Zealand
<i>Paryphanta rossiana</i>			V	New Zealand
<i>Paryphanta traversi</i>			V	New Zealand
Family Acavidae				
<i>Anoglypta launcestonensis</i>	Granulated Tasmanian Snail		E	Tasmania
Family Bulimulidae				
<i>Bulimulus</i> (31 endemic species)	Stock Island Tree Snail		E	Galapagos Is (Ecuador)
<i>Orthalicus reses</i>			V	U.S.A.
<i>Placostylus ambagiosus</i>			V	New Zealand

<i>Placostylus bollonsi</i> <i>Placostylus hongii</i>	Flax Snail	V V	New Zealand New Zealand
Family Arionidae <i>Binneya notabilis</i> <i>Geomalacus maculosus</i>	Slug Snail Kerry Slug	V V	U.S.A. Ireland, Spain, Portugal
Family Endodontidae <i>Anguispira picta</i> <i>Discus defloratus</i> <i>Discus guerinianus</i> <i>Discus mactintocki</i> <i>Discus marmorensis</i> <i>Discus scutula</i> <i>Helicodiscus diadema</i> <i>Helicodiscus hexodon</i> <i>Thaumatodon kystriceloides</i>	Painted Snake-coiled Forest Snail Madeiran Land Snail Iowa Pleistocene Snail	V V V E I R I I E	U.S.A. Madeira (Portugal) Madeira (Portugal) U.S.A. U.S.A. Tenerife (Canary Is, Spain) U.S.A. U.S.A. Western Samoa
Family Limacidae <i>Malacolimax wiktori</i>		V	Tenerife (Canary Is, Spain)
Family Parmacellidae <i>Parmacella gervaisi</i> <i>Parmacella tenerifensis</i>		Ex V	[France] Tenerife (Canary Is, Spain)
Family Helicarionidae <i>Diastole matafaoi</i>	Mount Matafao Different Snail	I	American Samoa
Family Zonitidae <i>Glyphyalinia pecki</i> <i>Paravitrea clappi</i> <i>Vitrea pseudotrolli</i>		I I I	U.S.A. U.S.A. France

<i>Oreohelix idahoensis idahoensis</i>					
<i>Oreohelix jugalis intersum</i>					
<i>Oreohelix jugalis jugalis</i>					
<i>Oreohelix jugalis vortex</i>					
<i>Oreohelix peripherica weberiana</i>					
<i>Oreohelix strigosa goniogyræ</i>					
<i>Oreohelix vortex</i>					
<i>Oreohelix waltoni</i>					
Family Helminthoglyptidae					
<i>Helminthoglypta allynsmithi</i>					
<i>Helminthoglypta arrosa mattoleensis</i>					
<i>Helminthoglypta arrosa miwoka</i>					
<i>Helminthoglypta arrosa pomaensis</i>					
<i>Helminthoglypta arrosa williamsi</i>					
<i>Helminthoglypta callistoderma</i>					
<i>Helminthoglypta mohaveana</i>					
<i>Helminthoglypta nickliniana awania</i>					
<i>Helminthoglypta nickliniana bridgesi</i>					
<i>Helminthoglypta nickliniana contracosta</i>					
<i>Helminthoglypta sequoicola consors</i>					
<i>Helminthoglypta traski coelata</i>					
<i>Helminthoglypta walkeriana</i>					
<i>Micrarionta facta</i>					
<i>Micrarionta feralis</i>					
<i>Micrarionta gabbi</i>					
<i>Micrarionta immaculata</i>					
<i>Micrarionta indiaensis cathedralis</i>					
<i>Micrarionta intercisæ</i>					
<i>Micrarionta morongoana</i>					
<i>Micrarionta opuntia</i>					
<i>Micrarionta redimita</i>					
<i>Idaho Banded Mountain Snail</i>					
<i>Yoked Ended Banded Mountain Snail</i>					
<i>Vortex Banded Mountain Snail</i>					
<i>Coalville Mountain Snail</i>					
<i>Carinated Striate Banded Mountain Snail</i>					
<i>Vortex Banded Mountain Snail</i>					
<i>Walton's Banded Mountain Snail</i>					
<i>Allyn Smith's Banded Snail</i>					
<i>Cape Mendocino Snail</i>					
<i>Dented Peninsula Snail</i>					
<i>Nicklin's Peninsula Snail</i>					
<i>Banded Dune Snail</i>					
<i>Concentrated Snail</i>					
<i>Fraternal Snail</i>					
<i>Gabb's Snail</i>					
<i>Cathedral Snail</i>					
<i>Horseshoe Snail</i>					
<i>Colorado Desert Snail</i>					
<i>Prickly Pear Snail</i>					
<i>Wreathed Island Snail</i>					

<i>Helix subplicata</i>	Madeiran Land Snail	V	Madeira (Portugal)
<i>Helix tryoni</i>		I	U.S.A.
<i>Hemicycla adansonii</i>		V	Tenerife (Canary Is, Spain)
<i>Hemicycla inutilis</i>		V	Tenerife (Canary Is, Spain)
<i>Hemicycla mascaensis</i>		E	Tenerife (Canary Is, Spain)
<i>Hemicycla modesta</i>		E	Tenerife (Canary Is, Spain)
<i>Hemicycla plicaria</i>		E	Tenerife (Canary Is, Spain)
<i>Hemicycla pouchet</i>		V	Tenerife (Canary Is, Spain)
<i>Macularia saintyvesi</i>		V	France
<i>Trissexodon constrictus</i>		I	France
<i>Xerotricha nubivaga</i>		R	Tenerife (Canary Is, Spain)

Family Elonidae
Elona quimperiana

Escargot de Quimper

France, Spain

R

Phylum ANNELIDA

Class POLYCHAETA

Order EUNICIDA

Family Eunicidae

Eunice viridis

Palolo Worm

Pacific

K

Class HIRUDINOIDEA

Order ARHYNCHOBDELLAE

Family Hirudinidae

Hirudo medicinalis

Medicinal leech

Europe

I

Class OLIGOCHAETA

Order HAPLOTAXIDA

Family Komarekionidae

Komarekiona eatoni

Earthworm

V U.S.A.

Family Lutodrilidae

Lutodrilus multivesiculatus

R U.S.A.

Family Microchaetidae

Microchaetus (33 species)

Tritogenia (5 species)

South African Giant Earthworm
South African Giant Earthworm

V South Africa
V South Africa

Family Megascolecidae

Megascolides americanus

Megascolides australis

Megascolides macel/freshi

Washington Giant Earthworm
Giant Gippsland Earthworm
Oregon Giant Earthworm

E U.S.A.
V Australia
E U.S.A.

Family Acanthodrilidae

Chilota (13 species)

Diploptrema (16 species)

Microscolex (9 species)

Udeina (59 species)

Southern African Acanthodriline Earthworms
Southern African Acanthodriline Earthworms
Southern African Acanthodriline Earthworms
Southern African Acanthodriline Earthworms

V South Africa
V South Africa
V Lesotho, South Africa
V Lesotho, South Africa

Phylum ARTHROPODA
Subphylum CHELICERATA

Class MEROSTOMATA

Order XIPHOSURA

Family Limulidae

Carcinoscorpius rotundicauda

Limulus polyphemus

Tachypileus gigas

Tachypileus tridentatus

Horseshoe Crabs

K Coastal waters - Japan to Indonesia
K Atlantic coast of North America
K Coastal waters - Japan to Indonesia
K Coastal waters - Japan to Indonesia

Class ARACHNIDA

Order ARANEAE

Family Theraphosidae

Brachypelma smithi

Red-kneed Tarantula

K Mexico

Family Dipluridae

Macrothele calpeiana

Macrothele cretica

V Spain, Morocco
I Crete (Greece)

Family Ctenizidae

Cyclocosmia torreyi

Torrey Trap-door Spider

I U.S.A.

Family Telemidae

Telema (whole genus)

Santa Cruz Teleman Spider

I U.S.A.

Family Eresidae

Eresus niger

Ladybird Spider

I Europe

Family Linyphiidae

Troglohyphantes gracilis

Kocevje Subterranean Spider

R Yugoslavia

Troglohyphantes similis
Troglohyphantes spinipes

Family Araneidae
Meta dolloff

Family Gnaphosidae
Cesonia irvingi

Family Lycosidae
Adelocosa anops
Lycosa ericeticola
Pardosa diuturna
Sosippus placidus

Family Asauridae
Dolomedes plantarius

Order PSEUDOSCORPIONIDA
 Family Neobisiidae
Microcreagris imperialis

Order OPILIONES
 Family Phalangodidae
Banksula melones

Kocevje Subterranean Spider	R	Yugoslavia
Kocevje Subterranean Spider	R	Yugoslavia
Dolloff Cave Spider	I	U.S.A.
Key Gnaphosid Spider	I	Bahamas, U.S.A.
No-eyed Big-eyed Wolf Spider	E	U.S.A.
Rosemary Wolf Spider	I	U.S.A.
Glacier Bay Wolf Spider	R	U.S.A.
Lake Placid Funnel Wolf Spider	I	U.S.A.
Great Raft Spider	V	Northern Europe
Empire Cave Pseudoscorpion	I	U.S.A.
Melones Cave Harvestman	V	U.S.A.

Subphylum CRUSTACEA

Class CRUSTACEA

Order ANASPIDACEA

Family Anaspidae

*Allanaspides helonomus**Allanaspides hickmani**Anaspides spinulæ**Anaspides tasmaniae**Paranaspides lacustris*

Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean

V Tasmania
 V Tasmania
 V Tasmania
 V Tasmania
 V Tasmania

Family Koonungidae

*Koonunga cursor**Micraspides calmani*

R Tasmania, Australia
 R Tasmania

Family Psammaspidae

Eucrenonaspides oinotheke

V Tasmania

Order THORACICA

Family Balanidae

*Armatobalanus nefrens**Balanus aquila*

I U.S.A.
 I U.S.A.

Order ANOSTRACA

Family Branchinectidae

*Branchinecta gigas**Branchinecta paludosa*

I Western North America
 R Czechoslovakia

Giant Fairy Shrimp
 Fairy Shrimp

Order ISOPODA

Family Sphaeromatidae

Thermosphaeroma dugesi
Thermosphaeroma milleri
Thermosphaeroma smithi
Thermosphaeroma subequalum
Thermosphaeroma thermophilum

Socorro Isopod

K Mexico
 K Mexico
 K Mexico
 K Mexico
 E U.S.A.

Family Trichoniscidae

Metatrachoniscoides celticus

V U.K.

Family Cirolanidae

Madison Cave Isopod

V U.S.A.
 I Netherlands
 K Mexico
 K Mexico
 K Mexico
 K Mexico

Family Armadillidae

Echinodillo cavaticus

I Tasmania

Family Asellidae

Caecidotea barri
Caecidotea macropoda
Caecidotea nickajackensis
Lireus culveri
Lireus usdagalum

I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.

Family Stenasellidae

Mexistenasellus coahuila

I Mexico

Crustaceans

Mexistenasellus parzefalli
Mexistenasellus wilkeni

Parzefall's Stenasellid
 Wilken's Stenasellid

R Mexico
 R Mexico

Family Styloniscidae
Styloniscus sp.

I Tasmania

Family Scyphacidae
Haloniscus searlei

I Tasmania

Family Phreatoicidae
Mesacanthotelson setosis
Onchotelson brevicaudatus
Onchotelson spatulatus
Uramphisopus pearsoni

I Tasmania
 I Tasmania
 I Tasmania
 I Tasmania

Order AMPHIPODA

Family Crangonyctidae

Allocrangonyx hubrichti
Allocrangonyx pellucidus
Crangonyx dearolfi
Crangonyx grandimanus
Crangonyx hobbsi
Stygobromus araeus
Stygobromus arizonensis
Stygobromus balconius
Stygobromus barri
Stygobromus bifurcatus
Stygobromus bowmani
Stygobromus clantoni
Stygobromus conradi
Stygobromus cooperi
Stygobromus dejectus

Central Missouri Cave Amphipod
 Oklahoma Cave Amphipod
 Pennsylvania Cave Amphipod
 Florida Cave Amphipod
 Hobb's Cave Amphipod
 Tidewater Interstitial Amphipod
 Arizona Cave Amphipod
 Balcones Cave Amphipod
 Barr's Cave Amphipod
 Bifurcated Cave Amphipod
 Bowman's Cave Amphipod
 Clanton's Cave Amphipod
 Burnsville Cove Cave Amphipod
 Cooper's Cave Amphipod
 Cascade Cave Amphipod

I U.S.A.
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<i>Stygobromus elatus</i>	Elevated Spring Amphipod	I	U.S.A.
<i>Stygobromus emarginatus</i>	Greenbrier Cave Amphipod	I	U.S.A.
<i>Stygobromus ephemerus</i>	Ephemeral Cave Amphipod	I	U.S.A.
<i>Stygobromus flagellatus</i>	Ezell's Cave Amphipod	I	U.S.A.
<i>Stygobromus gradyi</i>	Grady's Cave Amphipod	I	U.S.A.
<i>Stygobromus hadenoecus</i>	Devil's Sinkhole Amphipod	I	U.S.A.
<i>Stygobromus harai</i>	Hara's Cave Amphipod	I	U.S.A.
<i>Stygobromus hayi</i>	Hay's Spring Amphipod	I	U.S.A.
<i>Stygobromus heteropodus</i>	Pickle Springs Amphipod	I	U.S.A.
<i>Stygobromus hubbsi</i>	Malheur Cave Amphipod	I	U.S.A.
<i>Stygobromus identatus</i>	Tidewater Stygonectid Amphipod	I	U.S.A.
<i>Stygobromus longipes</i>	Long-legged Cave Amphipod	I	U.S.A.
<i>Stygobromus lucifugus</i>	Rubious Cave Amphipod	Ex	[U.S.A.]
<i>Stygobromus mackenziei</i>	Mackenzie's Cave Amphipod	I	U.S.A.
<i>Stygobromus montanus</i>	Mountain Cave Amphipod	I	U.S.A.
<i>Stygobromus morrisoni</i>	Morrison's Cave Amphipod	I	U.S.A.
<i>Stygobromus mundas</i>	Bath County Cave Amphipod	I	U.S.A.
<i>Stygobromus nortoni</i>	Norton's Cave Amphipod	I	U.S.A.
<i>Stygobromus onondagaensis</i>	Onondaga Cave Amphipod	I	U.S.A.
<i>Stygobromus ozarkensis</i>	Ozark Cave Amphipod	I	U.S.A.
<i>Stygobromus parvus</i>	Minute Cave Amphipod	I	U.S.A.
<i>Stygobromus pecki</i>	Peck's Cave Amphipod	I	U.S.A.
<i>Stygobromus pizzinii</i>	Pizzini's Amphipod	I	U.S.A.
<i>Stygobromus putealis</i>	Wisconsin Well Amphipod	I	U.S.A.
<i>Stygobromus reddelli</i>	Reddell's Cave Amphipod	I	U.S.A.
<i>Stygobromus smithii</i>	Alabama Well Amphipod	I	U.S.A.
<i>Stygobromus spinatus</i>	Spring Cave Amphipod	I	U.S.A.
<i>Stygobromus stellmacki</i>	Stellmack's Cave Amphipod	I	U.S.A.
<i>Stygobromus subtilis</i>	Subtle Cave Amphipod	I	U.S.A.
<i>Stygobromus wengerorum</i>	Wengeror's Cave Amphipod	I	U.S.A.

Family Gammaridae

Gammarus acheronytes
Gammarus bousfieldi
Gammarus desperatus
Gammarus hyalieioides
Gammarus pecos

Illinois Cave Amphipod
 Bousfield's Amphipod
 Noel's Amphipod
 Diminutive Amphipod
 Pecos Amphipod

I U.S.A.
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 I U.S.A.
 I U.S.A.

Family Orchestiidae

Spelasorchestia koloana

Kauai Cave Amphipod

I Hawaii (U.S.A.)

Order DECAPODA**Family Astacidae**

Astacus astacus
Austropotamobius pallipes
Austropotamobius torrentium
Pacifastacus fortis
Pacifastacus nigrescens

Noble Crayfish
 White-clawed Crayfish
 Shasta Crayfish

V Europe
 R Europe
 K Europe
 V U.S.A.
 Ex? U.S.A.

Family Atyidae

Palaemonias alabamæ
Syncaris pacifica
Typhlatya monae

Alabama Cave Shrimp
 California Freshwater Shrimp
 Mona Cave Shrimp

I U.S.A.
 E U.S.A.
 I Puerto Rico

Family Artemidæ

Artemia monica

Mono Lake Brine Shrimp

I U.S.A.

Family Parastacidae

Astacoides madagascariensis
Astacopsis franklinii
Astacopsis gouldi
Cherax crassimanus

Madagascar Freshwater Crayfish
 Giant Freshwater Crayfish

I Madagascar
 I Tasmania
 V Tasmania
 R West Australia

Engaewa subcoerulea

Family Coenobitidae

Birgus latro

R West Australia

Family Cambaridae

Cambarus baichi

Cambarus bouchardi

Cambarus catagius

Cambarus chasmodactylus

Cambarus extraneus

Cambarus obeyensis

Cambarus zophonastes

Oreconectes jeffersoni

Oreconectes shoupi

Procambarus acherontis

Procambarus connus

Procambarus lepiclodactylus

Coconut Crab

R Indo-Pacific

I U.S.A.

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I U.S.A.

I U.S.A.

Big South Fork Crayfish

Greensboro Burrowing Crayfish

New River Riffle Crayfish

Chickamanga Crayfish

Obey Crayfish

Louisville Crayfish

Nashville Crayfish

Orlando Cave Crayfish

Pee Dee Idic Crayfish

Family Palaemonidae

Palaemonetes antrorum

Palaemonetes cummingi

Texas Cave Shrimp

Florida Cave Shrimp

I U.S.A.

V U.S.A.

Family Palinuridae

Anulirus argus

Jasus edwardsii

Panulirus guttatus

Panulirus penicillatus

Spiny Lobster

Rock Lobster

Spotted Spiny Lobster

Spiny Lobster

CT Caribbean

CT New Zealand

CT Caribbean

CT Indo-Pacific

Family Pinnotheridae

Parapinnixa affinis

California Bay Pea Crab

K U.S.A.

Crustaceans

Family Nephropidae
Homarus americanus
Homarus gammarus
Nephrops norvegicus

American Lobster
European Lobster
Norway Lobster

CT North Atlantic
CT North-east Atlantic
CT North-east Atlantic

INSECTS

Subphylum UNIRAMIA

Class INSECTA

Order THYSANURA

Family Machilidae

Machilooides heteropus

Machilooides perkinsi

Hawaiian Long-palp Bristletail
Perkin's Club-palp Bristletail

I Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Order COLLEMBOLA

Family Neanuridae

Acanthanura dendyi

Acanthanura n.sp. "mesibovi"

Megalanura tasmaniae

Womersleymeria bicornis

Womersleymeria n.sp. "iresoni"

Womersleymeria n.sp. "zachariae"

I Tasmania
I Tasmania
I Tasmania
I Tasmania
I Tasmania
I Tasmania

Order EPHEMEROPTERA

Family Siphonuridae

Acanthometropus pecatonica

Aneletus falsus

Isonychia diversa

Tasmanophlebia lacus-coerulei

Pecatonica River Mayfly
False Mayfly
Diverse Mayfly
Large Blue Lake Mayfly

Ex [U.S.A.]
I U.S.A.
I U.S.A.
R Australia

Family Baetidae

Heterocleon berneri

Berner's Two-winged Mayfly

I U.S.A.

Family Oligoneuridae

Homoeoneuria cahabensis

Homoeoneuria dolani

Cahaba Sand-filtering Mayfly
Blackwater Sand-filtering Mayfly

I U.S.A.
I U.S.A.

Family Heptageniidae			
<i>Pseudirion meridionalis</i>		I	U.S.A.
Family Behningiidae			
<i>Dolania americana</i>	American Sand-burrowing Mayfly	I	U.S.A.
Family Ephemeridae			
<i>Ephemera compar</i>	Colorado Burrowing Mayfly	I	U.S.A.
<i>Ephemera triplex</i>	West Virginia Burrowing Mayfly	I	U.S.A.
<i>Pantagenia robusta</i>	Robust Burrowing Mayfly	Ex	[U.S.A.]
Family Ephemerellidae			
<i>Ceratella frisoni</i>	Frison's Mayfly	I	U.S.A.
<i>Ceratella spiculosa</i>	Spiculose Mayfly	I	U.S.A.
<i>Ephemerella argo</i>	Argo Mayfly	I	U.S.A.
Family Caenidae			
<i>Brachycercus flavus</i>	Yellow Mayfly	I	U.S.A.
Order ODONATA			
Family Amphipterygidae			
<i>Amphipteryx agrioides</i>		I	Belize, El Salvador, Guatemala, Honduras, Mexico
Family Calopterygidae			
<i>Calopteryx angustipennis</i>		I	U.S.A.
<i>Calopteryx syriaca</i>		E	Jordan, Syria, Turkey
<i>Hetaerina rudis</i>		I	Guatemala, Mexico
Family Chlorolestidae			
<i>Chlorolestes draconicus</i>		R	South Africa

Ecchlorolestes nylephtha
Ecchlorolestes perengueyi
Phylolestes ethelae

Family Megapodagrionidae
Amanipodagrion gilliesi
Heteragrion eboratum
Heteragrion tricellulare
Hypolestes clara
Hypolestes trinitatis
Paraphlebia zoe
Thaumatoneura inopinata

Family Hemiphlebiidae
Hemiphlebia mirabilis

Family Coenagrionidae
Aciagrion rarum
Argiagrion leoninum
Argioctenemis solitaria
Argioctenemis umbargae
Ceriagrion mourae
Coenagrion hylas freyi
Coenagrion mercuriale
Enallagma camerunense
Enallagma polychromaticum
Enallagma recurvatum
Ischnura gemina
Megalagrion adytum
Megalagrion amaurodytum fallax
Megalagrion amaurodytum peles

E South Africa
E South Africa
V Dominican Republic

E Tanzania
I Guatemala, Honduras
I Guatemala, Mexico
I Jamaica
I Cuba
I Mexico
I Costa Rica, Panama

E Australia

I Angola
I Sierra Leone
E Mauritius
I Cameroon
I Mozambique
E Austria, F.R.G., Switzerland
V Europe
I Tropical Africa
I South Africa
V U.S.A.
E U.S.A.
I Hawaii (U.S.A.)
I Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Frey's Damselfly
Southern Damselfly

Barrens Bluet Damselfly
San Francisco Forktail Damselfly
Adytum Damselfly
Fallax Damselfly
Pele Damselfly

<i>Megalagrion amaurodytum waianaeum</i>	Waianae Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion jugorum</i>	Jugorum Melagrion Damselfly	E x ?	Hawaii (U.S.A.)
<i>Megalagrion leptodemas</i>	Leptodemas Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion nigrohamatum</i>	Nigrohamatum Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion nigrolineatum</i>	Blackline Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion oahense</i>	Oahu Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion oceanicum</i>	Oceanic Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion pacificum</i>	Pacific Damselfly	E	Hawaii (U.S.A.)
<i>Megalagrion xanthomelas</i>	Orange-black Damselfly	I	Hawaii (U.S.A.)
<i>Mortonagrion hirosei</i>		E	Japan
<i>Nehalennia pallidula</i>		V	U.S.A.
<i>Pseudagrion quadrioculatum</i>		K	Zaire
<i>Seychellibasis alluaudi alluaudi</i>		E	Seychelles
Family Platycnemididae			
<i>Metacnemis angusta</i>		I	South Africa
<i>Platycnemis mauriciana</i>		E	Mauritius
Family Platystictidae			
<i>Palaemnema chiriquita</i>		I	Costa Rica
<i>Palaemnema gigantula</i>		I	Costa Rica
<i>Palaemnema melanota</i>		I	Costa Rica
<i>Palaemnema paulicoba</i>		I	Mexico
<i>Palaemnema reventazoni</i>		I	Costa Rica
Family Protoneuridae			
<i>Nososticta pilbara</i>		R	Australia
Family Pseudostigmatidae			
<i>Mecistogaster asticta</i>		V	Brazil
<i>Mecistogaster pronoti</i>		V	Brazil

Family Epiophlebiidae
Epiophlebia laidlawi

Relict Himalayan Dragonfly

India, Nepal

V

Family Aeshnidae

Acanthaesha victoria
Aeshna meruensis
Aeshna persephone
Aeshna viridis
Aeshna williamsoniana
Cephalaeschna acutifrons

Australia

Tanzania

U.S.A.

Europe to Siberia

Mexico

India

K

R

R

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V

Family Gomphidae

Antipodogomphus hodgkini
Argomphus maxwelli
Burmagomphus sivalikensis
Cornigomphus guineensis
Diaphlebia pallidistylus
Epigomphus camelus
Epigomphus clavatus
Epigomphus crepidus
Epigomphus paulsoni
Epigomphus subsimilis
Epigomphus verticornis
Erpetogomphus lampropeltis
Gomphurus consanguis
Gomphurus lynnae
Gomphurus modestus
Gomphurus ozarkensis
Gomphus diminutus
Gomphus flavipes
Gomphus graslini
Gomphus hodgesi

Australia

U.S.A.

India

Tropical Africa

Costa Rica

Costa Rica

Guatemala

Mexico

Mexico

Costa Rica

Costa Rica

U.S.A.

U.S.A.

U.S.A.

U.S.A.

U.S.A.

U.S.A.

North Palaearctic

France, Spain

U.S.A.

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Cherokee Clubtail Dragonfly

Gulf Clubtail

Diminutive Clubtail

Hodges' Clubtail

<i>Gomphus sandrius</i>	Tennessee Clubtail Dragonfly	I	U.S.A.
<i>Gomphus septima</i>	Septima's Clubtail Dragonfly	R	U.S.A.
<i>Hylogomphus carolinus</i>	Sandhills Clubtail Dragonfly	K	U.S.A.
<i>Hylogomphus geminatus</i>	Twin-Striped Clubtail	R	U.S.A.
<i>Hylogomphus parvidens</i>		R	U.S.A.
<i>Ictinogomphus dobsoni</i>		R	Australia
<i>Isomma hieroglyphicum</i>		I	Madagascar
<i>Onychogomphus assimilis</i>		R	Turkey, U.S.S.R.
<i>Onychogomphus macrodon</i>		E	Israel, Jordan, Turkey
<i>Ophiogomphus acuminatus</i>		R	U.S.A.
<i>Ophiogomphus anomalus</i>		V	Eastern North America
<i>Ophiogomphus cecilia</i>	Grune Keiljungter	E	Europe to Siberia
<i>Ophiogomphus edmundo</i>	Edmund's Snaketail Dragonfly	E π ?	U.S.A.
<i>Ophiogomphus howei</i>	Howe's Midget Snaketail Dragonfly	V	U.S.A.
<i>Ophiogomphus incurvatus</i>		R	U.S.A.
<i>Ophiogomphus incurvatus alleghaniensis</i>	Alleghany Snaketail Dragonfly	I	U.S.A.
<i>Paragomphus sinaiticus</i>		R	Egypt, Niger
<i>Progomphus belli</i>	Belle's Sand Clubtail	R	U.S.A.
<i>Progomphus risi</i>		I	Mexico
<i>Stylurus potulentus</i>	Yellow-sided Clubtail	V	U.S.A.
<i>Stylurus townesi</i>	Bronze Clubtail Dragonfly	R	U.S.A.
Family Neopetaliidae		I	Tasmania
<i>Archipetalia auriculata</i>			
Family Petaluridae		K	Australia
<i>Petalura pulcherrima</i>			
Family Cordulegasteridae		E	Turkey, U.S.S.R.
<i>Cordulegaster myzomatae</i>			

Zoraena sayi

Family Corduliidae

Antipodochlora braueri
Austrocordulia territoria
Libellulosoma minuta
Macromia margarita
Macromia splendens
Macromia wabashensis
Neurocordulia clara
Oxygastra curtisii
Somatochlora brevicincta
Somatochlora calverti
Somatochlora hineana
Somatochlora incurvata
Somatochlora margarita
Somatochlora ozarkensis
Synthemiopsis gomphomacromioides
Williamsonia lintneri

Family Libellulidae

Aethiothemis watuliki
Allorhizucha campioni
Anectothemis apicalis
Brachythemis fuscopalliat
Brachythemis liberiensis
Congothemis longistyla
Eleuthemis beutikoferi quadrigutta
Leucorrhinia albifrons
Leucorrhinia caudalis
Libellula angelina
Libellula jesseana

Florida Spiketail Dragonfly

Shining Macromia Dragonfly
Wabash Belted Skimmer Dragonfly
Apalichicola Twilite Skimmer Dragonfly
Orange-spotted Emerald
Calverts' Emerald
Ohio Emerald Dragonfly
Big Thicket Emerald Dragonfly
Banded Bog Skimmer Dragonfly

E U.S.A.

I New Zealand
R Australia
I Madagascar
R U.S.A.
R France, Portugal, Spain
K U.S.A.
I U.S.A.
V North Africa, West Europe
R Canada
R U.S.A.
E U.S.A.
R Eastern North America
R U.S.A.
I Tasmania
V U.S.A.

K Congo
K Sierra Leone
K Tropical Africa
E Israel, Turkey, Iraq
I Guinea-Bissau
K Zaire
K Mozambique, Zimbabwe
I Europe, West Siberia
I Europe, West Siberia
E Japan
K U.S.A.

Purple Chaser

<i>Monardthemis flava</i>				V	Angola, Zambia
<i>Orthetrum poecilops miyajimaense</i>				R	Japan
<i>Orthetrum rubens</i>				V	South Africa
<i>Palpopleura albifrons</i>				I	Gabon
<i>Sympetrum dilatatum</i>				Ex?	St Helena
<i>Trithemis hartwigi</i>				I	Eq. Guinea
<i>Trithemis nigra</i>				I	Principe
<i>Urothemis luciana</i>				V	South Africa
<i>Urothemis thomasi</i>				K	Eastern Arabia
Order BLATTARIA					
Family Blattidae					
<i>Aspiduchus cavernicola</i>		Tuna Cave Roach		I	Puerto Rico
Order MANTODEA					
Family Mantidae					
<i>Apteromantis aptera</i>				E	Spain
Order GRYLLOBLATTARIA					
Family Grylloblattidae					
<i>Grylloblatta chirurgica</i>		Mount St. Helens' Grylloblattid		V	U.S.A.
Order ORTHOPTERA					
Family Stenopelmidae					
<i>Ammopelmatus kelsoensis</i>		Kelso Jerusalem Cricket		I	U.S.A.
<i>Ammopelmatus muwuu</i>		Port Conception Jerusalem Cricket		I	U.S.A.
<i>Deinacrida carinata</i>		Herekopare Island Weta		V	New Zealand
<i>Deinacrida fallai</i>		Poor Knights Weta		V	New Zealand
<i>Deinacrida heteracantha</i>		Wetapunga		V	New Zealand
<i>Deinacrida rugosa</i>		Stephens Island Weta		V	New Zealand
<i>Deinacrida tibiospina</i>				I	New Zealand
<i>Stenopelmatus cahuilensis</i>		Coachella Valley Jerusalem Cricket		I	U.S.A.

Stenopelmatus navajo

Family Rhaphidophoridae

Dashinibaenetes arizonensis

Macrobaenetes kelsoensis

Macrobaenetes vulgum

Pristoceuthophilus sp.

Tasmanoplectron isolatum

Utaenetes tanneri

Navajo Jerusalem Cricket

I U.S.A.

Arizona Giant Sand Treader Cricket

I U.S.A.

Kelso Giant Sand Treader Cricket

I U.S.A.

Coachella Giant Sand Treader Cricket

I U.S.A.

Samwell Cave Cricket

I U.S.A.

Tasmania

Tanner's Black Camel Cricket

I U.S.A.

Family Tettigoniidae

Baetica ustulata

Banza nihoae

Belocephalus micanopy

Belocephalus sleighti

Conocephaloides remotus

Idiostatus middlekaufi

Neduba extincta

Neduba longipennis

Saga pecto

Nihoa Banza Conehead Katydid
Big Pine Key Conehead Katydid

V Spain
I Hawaii (U.S.A.)
I U.S.A.

Keys Short-winged Conehead Katydid

I U.S.A.

Remote Conehead Katydid

I Hawaii (U.S.A.)

Middlekauf's Shieldback Katydid

I U.S.A.

Antioch Dunes Shieldback Katydid

Ex [U.S.A.]

Santa Monica Shieldback Katydid

I U.S.A.

Predatory Bush Cricket

V Southern Europe

Prairie Mole Cricket

I U.S.A.

Family Gryllotalpidae

Gryllotalpa major

Family Gryllidae

Caconemobius howarthi

Caconemobius schauinslandi

Caconemobius varius

Cycloptilum irregularis

Leptogryllus deceptor

Oecanthus laricis

Thaumatogryllus cavicola

Howarth's Cave Cricket

I Hawaii (U.S.A.)

Schauinsland's Bush Cricket

I Hawaii (U.S.A.)

Kaumana Cave Cricket

I Hawaii (U.S.A.)

Keys Scaly Cricket

I U.S.A.

Oahu Deceptor Bush Cricket

I Hawaii (U.S.A.)

Laricis Tree Cricket

I U.S.A.

Volcanoes Cave Cricket

I Hawaii (U.S.A.)

<i>Thaumatogryllus variegatus</i>	Kauai Thin-footed Bush Cricket	I	Hawaii (U.S.A.)
Family Eumastacidae			
<i>Eumorsea pinaleno</i>	Pinaleno Monkey Grasshopper	I	U.S.A.
<i>Psychomastix deserticola</i>	Desert Monkey Grasshopper	I	U.S.A.
Family Acrididae			
<i>Acrolophitus pulchellus</i>	Idaho Point-headed Grasshopper	I	U.S.A.
<i>Appalachia arena</i>	Michigan Bog Grasshopper	I	U.S.A.
<i>Calliptamus bairdii</i>		I	Tasmania
<i>Chloaeltis aspasma</i>	Siskiyou Chloaeltis Grasshopper	I	U.S.A.
<i>Spharagemon superbum</i>		I	U.S.A.
Family Tetrigidae			
<i>Tetrix sierrana</i>	Sierra Pygmy Grasshopper	I	U.S.A.
<i>Tettigidea empedonepia</i>	Torreya Pygmy Grasshopper	I	U.S.A.
Order PHASMATOPTERA			
Family Phasmatidae			
<i>Dryococelus australis</i>	Lord Howe Island Stick-insect	Ex	[Lord Howe I. (Australia)]
Order DERMAPTERA			
Family Labiduridae			
<i>Labidura herculeana</i>	St Helena Earwig	E	St Helena
Order PLECOPTERA			
Family Nemouridae			
<i>Lednia tumana</i>	Meltwater Stonefly	I	U.S.A.
<i>Nemours wahkeena</i>	Wahkeena Falls Flightless Stonefly	I	U.S.A.
Family Notonemouridae			
<i>Kimminsoperla biloba</i>		I	Tasmania

<i>Kimminsoperla williamsi</i>		I	Tasmania
Family Capniidae			
<i>Capnia lacustra</i>	Lake Tahoe Benthic Stonefly	I	U.S.A.
Family Leuctridae			
<i>Leuctra szczytkoi</i>	Schoolhouse Springs Stonefly	I	U.S.A.
Family Taeniopterygidae			
<i>Taeniopteryx starki</i>	Leon River Stonefly	I	U.S.A.
Family Perlidae			
<i>Beloneuria georgiana</i>	Georgia Stonefly	I	U.S.A.
<i>Beloneuria jamesae</i>	Cheaha Stonefly	I	U.S.A.
<i>Hansonoperla appalachia</i>	Hanson's Appalachian Stonefly	I	U.S.A.
Family Chloroperlidae			
<i>Alloperla roberti</i>	Robert's Stonefly	Ex	[U.S.A.]
Family Peltoperlidae			
<i>Soliperla fenderi</i>	Fender's Stonefly	I	U.S.A.
Family Eustheniidae			
<i>Eusthenia nothofagi</i>	Otway Stonefly	E	Australia
<i>Eusthenia reticulata</i>		I	Tasmania
Family Gripopterygidae			
<i>Leptoperla cacuminis</i>	Mount Kosciuszko Wingless Stonefly	R	Australia
<i>Riekoperla darlingtoni</i>	Mount Donna Buang Wingless Stonefly	R	Australia

Order ZORAPTERA

Family Zorotypidae

Zorotypus swezeyi

Swezey's Zoroapteran
I Hawaii (U.S.A.)

Order ANOPLURA

Family Haematopinidae

Haematopinus oliveri

Pygmy Hog Sucking Louse
E India

Order HEMIPTERA

Family Belastomatidae

Belostoma saratogae

Saratoga Springs Bug
I U.S.A.

Family Naucoridae

Ambrysus amargosus

Pelocoris shoshone

Ash Meadows Bug
I U.S.A.
I U.S.A.

Family Mesoveliidae

Cavaticovelia aaa

Aaa Water Treader Bug
I U.S.A.

Family Macroveliidae

Oravelia pege

Dry Creek Cliff Strider Bug
I U.S.A.

Family Miridae

Cyrtopeltis phyllostegiae

Kalania hawaiiensis

Phyllostegian Leaf Bug
I Hawaii (U.S.A.)
I Hawaii (U.S.A.)
Lanai Leaf Bug

Family Reduviidae

Empicoris pulchrus

Nesidiolestes ana

Nesidiolestes insularis

Nesidiolestes roberti

Pulchrus Thread Bug
I Hawaii (U.S.A.)
Ana Wingless Thread Bug
I Hawaii (U.S.A.)
Mount Tantalus Wingless Thread Bug
I Hawaii (U.S.A.)
Robert's Wingless Thread Bug
I Hawaii (U.S.A.)

Nesidiolestes selium
Stacella smithi

Family Lygaeidae

Metrarga obscura
Neseis alternatus
Neseis haleakalae
Nesocryptias villosa
Nysius frigatensis
Nysius neckerensis
Nysius nihoa
Nysius sulfusus
Oceanides bryani
Oceanides perkinsi
Oceanides rugosiceps

Family Rhopalidae

Ithamar annectans
Ithamar hawaiiense

Order HOMOPTERA

Family Cixiidae

Oliarus consimilis
Oliarus discrepans
Oliarus lanaiensis
Oliarus lihue
Oliarus myoporicola

Family Delphacidae

Nesorestias filicicola
Nesosydne acuta
Nesosydne bridwelli

Selium Wingless Thread Bug
 Smith's Reduviid Bug

Mauna Loa Seed Bug
 Kauai Band-legged Seed Bug
 Mount Haleakala Seed Bug
 Villosan Flightless Seed Bug
 French Frigate Shoal Seed Bug
 Necker Goosefoot Seed Bug
 Nihoa Seed Bug
 Necker Bunchgrass Seed Bug
 Bryan's Seed Bug
 Perkin's Oceanides Seed Bug
 Rough-headed Seed Bug

Annectans Bug
 Hawaiian Bug

Kauai Parti-coloured Planthopper
 Wild Cotton Planthopper
 Lanai Planthopper
 Lihue Planthopper
 Barber's Point Planthopper

Mt Tantalus Shortwing Fern Planthopper
 Iao Valley Planthopper
 Bridewell's Planthopper

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Family Hemerobiidae

Nesothauma halakalae
Pseudopsectra cookeorum
Pseudopsectra lobipennis
Pseudopsectra swezeyi
Pseudopsectra usingeri

Family Ascalaphidae

Libelloides libelluloides
Libelloides macaronius

Family Myrmeleontidae

Acanthaclisis occitanica
Dendroleon pantherinus
Distoleon tetragrammicus
Eidoleon perjurus
Myrmeleon formicarius

Order COLEOPTERA

Family Carabidae

Agonum belleri
Aplothorax burchelli
Calosoma sycophanta
Carabus intricatus
Carabus olympiae
Elaphrus viridis
Mormolyce phyllodes
Sphaeroderus schauvi shenandoah

Family Cicindelidae

Cicindela arenicola

Haleakala Spongillafly
 Cooke's Spongillafly
 Lobe-wing Spongillafly
 Swezey's Spongillafly
 Usinger's Spongillafly

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Molokai Antlion

Beller's Ground Beetle

I U.S.A.
 E St Helena I
 V Europe, North Africa, U.S.S.R.
 V Europe
 E France, Italy
 V U.S.A.
 V Malaysia
 I U.S.A.

Caterpillar Searcher
 Blue Ground Beetle

Delta Green Ground Beetle
 Ghost Walker Beetle
 Schaum's Blue Ridge Ground Beetle

Idaho Dunes Tiger Beetle

I U.S.A.

<i>Cicindela cazieri</i>	Cazier's Tiger Beetle	I	U.S.A.
<i>Cicindela chlorocephala smythi</i>	Smyth's Tiger Beetle	I	U.S.A.
<i>Cicindela columbica</i>	Columbia River Tiger Beetle	E	U.S.A.
<i>Cicindela dorsalis dorsalis</i>	North-eastern Beach Tiger Beetle	I	U.S.A.
<i>Cicindela latesignata obliuiosa</i>	Oblivious Tiger Beetle	I	U.S.A.
<i>Cicindela limbata albissima</i>	Coral Pink Dunes Tiger Beetle	I	U.S.A.
<i>Cicindela marginata</i>	Tiger Beetle	I	U.S.A.
<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	I	U.S.A.
<i>Cicindela nevadica olmosa</i>	Los Olmos Tiger Beetle	I	U.S.A.
<i>Cicindela nigrocserula subtropica</i>	Subtropical Blue-Black Tiger Beetle	I	U.S.A.
<i>Cicindela obsoleta neojuvnalis</i>	Neojuvnile Tiger Beetle	I	U.S.A.
<i>Cicindela puritana</i>	Puritan Tiger Beetle	I	U.S.A.
<i>Cicindela tranquebarica viridissima</i>	Greenest Tiger Beetle	I	U.S.A.
Family Haliplidae			
<i>Brychius hungerfordi</i>	Hungerford's Crawling Water Beetle	I	U.S.A.
<i>Haliphus nitens</i>	Disjunct Crawling Water Beetle	I	U.S.A.
Family Dytiscidae			
<i>Agabus rumppi</i>	Death Valley Agabus Diving Beetle	I	U.S.A.
<i>Desmopachria conchramis</i>	Fig Seed Diving Beetle	I	U.S.A.
<i>Dytiscus latissimus</i>		E	North & Central Europe, Siberia
<i>Graphoderus bilineatus</i>		E	Central & West Europe
<i>Haideoporus texanus</i>	Texas Cave Beetle	I	U.S.A.
<i>Hydroporus elusivus</i>	Elusive Diving Beetle	I	U.S.A.
<i>Hydroporus folkerti</i>	Folkert's Diving Beetle	I	U.S.A.
<i>Hydroporus hirsutus</i>	Woolly Diving Beetle	I	U.S.A.
<i>Hydroporus leechi</i>	Leech's Skyline Diving Beetle	I	U.S.A.
<i>Hydroporus spangleri</i>	Spangler's Diving Beetle	I	U.S.A.
<i>Hydroporus sulphurius</i>	Sulphur Springs Diving beetle	I	U.S.A.
<i>Hydroporus utahensis</i>	Utah Diving Beetle	I	U.S.A.
<i>Hygrotus artus</i>	Mono Lake Diving Beetle	Ex?	U.S.A.

Hygrotus curvipes
Hygrotus diversipes
Hygrotus fontinalis
Hygrotus sylvanus

Family Gyrinidae

Spanglerogyrus albiventris

Family Hydraenidae

Gymnocthebius maureenae
Hydraena maureenae
Limnebius aridus
Limnebius texanus
Limnebius utahensis
Ochthebius crassalus
Ochthebius putnamensis
Ochthebius reticulatus

Family Leiodidae

Glacivicolica bathysciodes

Family Silphidae

Nicrophorus americanus

Family Hydrophilidae

Chaetarthria leechi
Chaetarthria utahensis
Cymbiodytia arizonica
Hydrochara rickseckeri
Paracymus seclusus

Curved-foot Diving Beetle
Narrow-foot Diving Beetle
Travertine Band-thigh Diving Beetle
Sylvan Diving Beetle

Red Hills Unique Whirligig Beetle

Maureen's Minute Moss Beetle
Maureen's Moss Beetle
Animas Minute Moss Beetle
Texas Minute Moss Beetle
Utah Minute Moss Beetle
Wing-shoulder Minute Moss Beetle
Indiana Minute Moss Beetle
Wilbur Springs Minute Moss Beetle

Blind Cave Beetle

American Burying Beetle

Leech's Water Scavenger Beetle
Utah Water Scavenger Beetle
Arizona Water Scavenger Beetle
Ricksecker's Water Scavenger Beetle
Seclusive Water Scavenger Beetle

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E Eastern North America

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Family Lucanidae

- Apterocyclus honoluluensis*
- Dorcus auriculatus*
- Dorcus ithaginiis*

Kauai Flightless Stag Beetle

E Hawaii (U.S.A.)
V New Zealand
V New Zealand

Family Trogidae

- Trox howelli*

Caracara Commensal Scarab Beetle

V U.S.A.

Family Geotrupidae

- Typhaeus hiosius*

V Sardinia (Italy)

Family Scarabaeidae

- Aegialia concinna*
- Aegialia crescenta*
- Aegialia haroyi*
- Aegialia magnifica*
- Anomala exigua*
- Anomala eximia*
- Anomala tibialis*
- Aphodius fordi*
- Aphodius troglodytes*
- Ataenius superficialis*
- Ataenius woodruffi*
- Copris gopheri*
- Cyclocephala miamiensis*
- Dynastes hercules*
- Dynastes hercules glaseri*
- Dynastes hercules hercules*
- Dynastes hercules reidi*
- Glaresis arenata*
- Gronocarus multispinosus*

Ciervo Scarab Beetle

I U.S.A.

Crescent Dune Scarab Beetle

I U.S.A.

Hardy's Scarab Beetle

I U.S.A.

Large Scarab Beetle

I U.S.A.

Exiguous Scarab Beetle

I U.S.A.

Archbold Scarab Beetle

I U.S.A.

Tibial Scarab Beetle

I U.S.A.

Ford's Beetle

I U.S.A.

Tortoise Commensal Scarab Beetle

I U.S.A.

Big Pine Key Dung Beetle

V U.S.A.

Woodruff's Dung Beetle

E U.S.A.

Tortoise Commensal Scarab Beetle

I U.S.A.

Miami Roundhead Scarab Beetle

I U.S.A.

Hercules Beetle

V Caribbean & N. South America

Hercules Beetle

K Trinidad & Tobago

Hercules Beetle

V Dominica, Guadeloupe

Kelso Dune Scarab Beetle

V Martinique, St Lucia

Spiny Florida Sandhill Scarab Beetle

I U.S.A.

I U.S.A.

Lichnanthe albopilosa
Lichnanthe ursina
Mycotrupes pedester
Onthophagus furacatus
Onthophagus polyphemi
Oryctes chevrolati
Osmoderma eremita
Pelototrupes youngi
Polylamina pubescens
Polyphylla anteroniua
Polyphylla auittata
Polyphylla barbata
Polyphylla nubila
Prodontiria lewisi
Pseudocotalpa giulianii
Serica frosti
Serica tantula
Trigonopelastes floridana

Family Buprestidae
Buprestis splendens

Family Elmidae
Atractelmis wawona
Cylloepus parkeri
Dubiraphia brunnescens
Dubiraphia giulianii
Dubiraphia parva
Dubiraphia robusta
Heterelmis stephani
Huleechius marroni carolus
Microcylloepus browni

White Sand Bear Scarab Beetle	I	U.S.A.
Pacific Sand Bear Scarab Beetle	I	U.S.A.
Scrub Island Burrowing Scarab Beetle	I	U.S.A.
Tortoise Commensal Scarab Beetle	V	Austria
Hermit Beetle	K	U.S.A.
Ocala Burrowing Scarab Beetle	E	Reunion
Woody Gulf Dune Scarab Beetle	E	Europe
Saline Valley Snow-front Scarab	I	U.S.A.
Spotted Warner Valley Dunes Scarab	I	U.S.A.
Barbate Scarab Beetle	I	U.S.A.
Atascodera Scarab Beetle	I	U.S.A.
Cromwell Chafer	I	U.S.A.
Giuliani's Dune Scarab Beetle	V	New Zealand
Frost's Spring Scarab Beetle	I	U.S.A.
Tantula Scarab Beetle	I	U.S.A.
Scrub Palmetto Flower Scarab Beetle	I	U.S.A.
Goldstreifiger	E	Europe
Wawawona Riffle Beetle	I	U.S.A.
Parker's Riffle Beetle	I	U.S.A.
Brownish Riffle Beetle	I	U.S.A.
Giuliani's Riffle Beetle	I	U.S.A.
Little Riffle Beetle	I	U.S.A.
Robust Riffle Beetle	I	U.S.A.
Stephan's Riffle Beetle	I	U.S.A.
Marron's San Carlos Riffle Beetle	I	U.S.A.
Brown's Riffle Beetle	I	U.S.A.

Optioservus browni
Optioservus canus
Optioservus phaeus
Stenelmis calida calida
Stenelmis calida moapa
Stenelmis douglasensis
Stenelmis gammoni
Zaitzeva thermiae

Brown's Riffle Beetle
Pinnacles Riffle Beetle
Scott Riffle Beetle
Devil's Hole Warm Spring Riffle Beetle
Moapa Warm Springs Riffle Beetle
Douglas Riffle Beetle
Gammon's Riffle Beetle
Warm Spring Riffle Beetle

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Family Psephenidae

Acneus beeri
Acneus burnelli
Alabamabria starki
Dicranopselaphus variegatus
Psephenus arizonensis
Psephenus montanus

Beer's False Water Penny Beetle
Burnell's False Water Penny Beetle
Stark's False Water Penny Beetle
Variegated False Water Penny Beetle
Arizona Water Penny Beetle
White Mountains Water Penny Beetle

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Family Elateridae

Amychus candezei
Amychus granulatus
Eanus hatchi
Eopenthes (17 species)
Itodacnus spp.

Hatch's Click Beetle
Hawaiian Click Beetles
Necker Click Beetles

V Chatham Is, New Zealand
V New Zealand
I Canada, U.S.A.
E Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Family Eucnemidae

Paleoxenus dohmi

Dohrn's Elegant Eucnemid Beetle

I U.S.A.

Family Lampyridae

Micronaspis floridana
Photuris brunnipennis floridana

Florida Intertidal Firefly
Everglades Browing Firefly

I U.S.A.
I U.S.A.

Family Anobiidae

Holcobius pikoensis

I Hawaii (U.S.A.)

Family Cucujidae

Cucujus cinnaberinus

E Northern & Central Europe

Family Tenebrionidae

Coelus globosus

I Mexico, U.S.A.

Coelus gracilis

I U.S.A.

Polposipus herculeanus

R Seychelles

Family Meloidae

Lytta hoppingi

I U.S.A.

Lytta inseperata

I U.S.A.

Lytta mirifica

I Mexico, U.S.A.

Lytta moesta

I U.S.A.

Lytta molesta

I U.S.A.

Lytta morrisoni

I U.S.A.

Family Anthicidae

Anthicus antiochensis

I Antioch Dunes Beetle

Anthicus sacramento

I Sacramento Beetle

Family Cerambycidae

Aeschrithmysus dubautianus

E Hawaii (U.S.A.)

Aeschrithmysus swezeyi

E Hawaii (U.S.A.)

Aeschrithmysus terryi

E Hawaii (U.S.A.)

Cerambyx cerdo

Cerambyx Longicorn

Crossidius mojavenensis mojavenensis

Mojave Rabbitbrush Longhorn Beetle

Desmocerus californicus dimorphus

Valley Elderberry Longhorn Beetle

Dryobius sexnotatus

Six-banded Longhorn Beetle

Central & Northern Europe

E U.S.A.

V U.S.A.

I U.S.A.

Macrodonia cervicornis
Morimus funereus
Necydalis rufi
Nesithmysus bridwelli
Nesithmysus frobesi
Nesithmysus haasi
Nesithmysus swezeyi
Plagithmysus (49 species)
Rosalia alpina
Xylotoles costatus

Family Chrysomelidae

Donacia idola

Family Aglycyderidae

Proterhinus (72 species)

Family Curculionidae

Anagotus fairburni
Anagotus turbotti
Deinocoelonus nesiotis
Dryophthorus distinguendus
Dryotribus mimeticus
Dysticheus rotundicollis
Gymnopholus lichenifer
Hadramphus spinipennis
Hadramphus stilbocarpae
Hadramphus tuberculatus
Heteramphus filicum
Heteraxis seticosatus
Lyperobius huttoni
Macrancylus linearis

K Brazil, Peru
 E Central Europe, U.S.S.R.
 I Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Central & Northern Europe
 E [Chatham Is (New Zealand)]
 Ex

Rosalia Longicorn

Bog Idol Leaf Beetle

Hawaiian Proterhinus Beetles

Flax Weevil

Turbott's Weevil

Oahu Nesiotis Weevil

Antioch Dune Weevil

Lichen Weevil

Speargrass Weevil

<i>Megacolabus sculpturatus</i>					V	New Zealand
<i>Microcryptorhynchus orientissimus</i>					R	Henderson I. (Pitcairn)
<i>Miloderes nelsoni</i>	Nelson's Weevil				I	U.S.A.
<i>Miloderes rutileni</i>	Rulien's Weevil				I	U.S.A.
<i>Nesotocus giffordi</i>	Gifford's Weevil				I	Hawaii (U.S.A.)
<i>Nesotocus kauaiensis</i>	Kauai Weevil				I	Hawaii (U.S.A.)
<i>Nesotocus munroi</i>	Munro's Weevil				I	Hawaii (U.S.A.)
<i>Nothaldonis peaci</i>					E	New Zealand
<i>Oclandius laevisculus</i>					V	New Zealand
<i>Oedemasyllus laysanensis</i>					Ex	[Hawaii (U.S.A.)]
<i>Onchobarus langei</i>	Lange's El Segundo Dune Weevil				I	U.S.A.
<i>Oodemas (whole genus)</i>	Windward Chain Weevils				I	Hawaii (U.S.A.)
<i>Pentarthrum blackburni</i>	Blackburn's Weevil				Ex?	Hawaii (U.S.A.)
<i>Pentarthrum obscura</i>	Obscure Weevil				I	Hawaii (U.S.A.)
<i>Pentarthrum pritchardias</i>					E	Hawaii (U.S.A.)
<i>Rhyncogonus (22 species)</i>					E	Hawaii (U.S.A.)
<i>Rhyncogonus hendersoni</i>	Hawaiian Snout Beetles				R	Henderson I. (Pitcairn)
<i>Stenotrupis pritchardiae</i>					I	Hawaii (U.S.A.)
<i>Trigonoscuta brunnotesselata</i>	Nihoa Weevil				I	U.S.A.
<i>Trigonoscuta dorothea dorothea</i>	Brown-tassel Weevil				I	U.S.A.
<i>Trigonoscuta doyeri</i>	Dorothy's El Segundo Dune Weevil				I	U.S.A.
<i>Trigonoscuta rossi</i>	Doyen's Dune Weevil				Ex?	U.S.A.
<i>Trigonoscuta yorbalindae</i>	Fort Ross Weevil				Ex?	U.S.A.
<i>Unas piceus</i>	Yorba Linda Weevil				V	New Zealand
Order MECOPTERA						
Family Arteropanorpidae						
<i>Apteropanorpa tasmanica</i>					I	Tasmania
Order DIPTERA						
Family Psychodidae						
<i>Nemopalpus nearcticus</i>	Sugarfoot Moth fly				I	U.S.A.

Family Mycetophilidae
Arachnocampa tasmaniensis

I Tasmania

Family Blepharoceridae
Edwardsina gigantea
Edwardsina tasmaniensis

E Australia
E Tasmania

Giant Torrent Midge
Tasmanian Torrent Midge

Family Tabanidae

Apatalestes rossi U.S.A.
Asaphomyia floridensis U.S.A.
Asaphomyia texanus U.S.A.
Brennania belkini Mexico, U.S.A.
Merycomyia brunnea U.S.A.
Stonemyia volutina Ex [U.S.A.]

Ross's Apatalestes Tabanid Fly
Florida Asaphomyian Tabanid Fly
Texas Asaphomyian Tabanid Fly
Belkin's Dune Tabanid Fly
Brown Merycomyian Tabanid Fly
Volutine Stoneyian Tabanid Fly

Family Acroceridae
Eulonchus marialiciae

I U.S.A.

Mary Alice's Small-headed Fly

Family Asilidae

Cophura hurdi U.S.A.
Efferia antiochi U.S.A.
Metapogon hurdi U.S.A.

Antioch Robberfly
Antioch Robberfly
Hurd's Robberfly

Family Apiocertidae
Raphiomydas triochilus

I U.S.A.

Valley Mydas Fly

Family Empididae
Chersodromia hawaiiensis

I Hawaii (U.S.A.)

Hawaiian Dance Fly

Family Dolichopodidae
Campsicnemus mirabilis

Ex [Hawaii (U.S.A.)]

Family Syrphidae
Mixogaster delongi

I U.S.A.

Delong's Flower Fly

Family Asteiidae
Bryania bipunctata

I Hawaii (U.S.A.)

Nihoa Two-spotted Asterid Fly

Family Drosophilidae
Drosophila lanaiensis

Ex [Hawaii (U.S.A.)]

Family Ephydriidae
Paracoenia calida

I U.S.A.

Wilber Springs Shore Fly

Order TRICHOPTERA

Family Rhyacophilidae

Rhyacophila alexandra

I U.S.A.

Rhyacophila amabilis

Ex [U.S.A.]

Rhyacophila colonus

I U.S.A.

Rhyacophila fenderi

I U.S.A.

Rhyacophila haddocki

I U.S.A.

Rhyacophila lineata

I U.S.A.

Rhyacophila mosana

I U.S.A.

Rhyacophila spinata

I U.S.A.

Rhyacophila unipunctata

I U.S.A.

Family Glossosomatidae

Agapetus artesus

I U.S.A.

Agapetus denningi

I U.S.A.

Agapetus medicus

I U.S.A.

Protophila arca

I U.S.A.

Insects

Family Hydrotilidae

Hydrophila decia

Neotrichia kitae

Ochrotrichia alsea

Ochrotrichia contorta

Ochrotrichia phenosa

Ochrotrichia provosti

Ochrotrichia vertreesi

Oxyethira florida

Knoxville Micro Caddisfly

Kite's Micro Caddisfly

Alsea Micro Caddisfly

Contorted Micro Caddisfly

Deschutes Micro Caddisfly

Provost's Micro Caddisfly

Vertree's Micro Caddisfly

Florida Micro Caddisfly

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

Family Philopotamidae

Dolophilodes oregona

Oregon Caddisfly

I U.S.A.

Family Stenopsychidae

Stenopsychodes lineata

I Tasmania

Family Polycentropidae

Tasmanoplegas spilota

I Tasmania

Family Limnephilidae

Apatania tavalae

Archaeophylax vernalis

Cryptochia excella

Cryptochia neosa

Ecclisomyia bilera

Farula davisi

Farula jewetti

Farula reaperi

Glyphopsyche missouri

Limnephilus alconura

Limnephilus atercus

Cascades Caddisfly

Kings Canyon Caddisfly

Blue Mountains Caddisfly

King's Creek Caddisfly

Green Springs Mountain Caddisfly

Mount Hood Caddisfly

Tombstone Prairie Caddisfly

Missouri Caddisfly

Klamath Caddisfly

Fort Dick Caddisfly

I U.S.A.

I Tasmania

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

<i>Neothramma andersoni</i>	Colombian Gorge Caddisfly	I	U.S.A.
<i>Oligophlebodes mostbento</i>	Tombstone Prairie Oligophlebodes	I	U.S.A.
<i>Philocasca oron</i>	Clatsop Caddisfly	I	U.S.A.
<i>Trienodes tridonata</i>	Three-tooth Caddisfly	Ex	[U.S.A.]
Family Lepidostomatidae			
<i>Lepidostoma fischeri</i>	Fischer's Caddisfly	I	U.S.A.
<i>Lepidostoma goedeni</i>	Goeden's Caddisfly	I	U.S.A.
Family Kokiriidae			
<i>Taskiria mccubbini</i>		I	Tasmania
<i>Taskropsyche lacustris</i>		I	Tasmania
Family Plectrotarsidae			
<i>Nanoptetrus truchnasi</i>		I	Tasmania
Family Sericostomatidae			
<i>Agarodes ziczac</i>	Zigzag Blackwater Caddisfly	I	U.S.A.
Family Odontoceridae			
<i>Psilotreta hansonii</i>		I	U.S.A.
Family Philorheithridae			
<i>Ramiheithrus kocinus</i>		I	Tasmania
Family Leptoceridae			
<i>Ceraclea floridana</i>	Florida Longhorn Caddisfly	I	U.S.A.
<i>Ceraclea vertreesi</i>	Vertree's Caddisfly	I	U.S.A.
<i>Oecetis parva</i>	Little Longhorn Caddisfly	I	U.S.A.
<i>Trienodes phalacris</i>	Athens Caddisfly	Ex	[U.S.A.]
<i>Westriplectes pedderensis</i>		I	Tasmania

Order LEPIDOPTERA

Family Hepialidae

Leto venus

Zelotypia stacyi

Silver Spotted Ghost Moth
Bent Wing Swift Moth

V South Africa
V Australia

Family Nepticulidae

Ectodemia castaneae

Ectodemia phleophaga

American Chestnut Moth
Phleophagan Chestnut Moth

Ex? U.S.A.
Ex? U.S.A.

Family Tischeriidae

Tischeria perplexa

Chestnut Clearwing Moth

Ex? U.S.A.

Family Gracillariidae

Petrochroa neckerensis

Phildoria wilkesiella

Necker Leaf-miner Moth

I Hawaii (U.S.A.)
E Hawaii (U.S.A.)

Family Coleophoridae

Coleophora leucochrysellæ

Ex? U.S.A.

Family Gelechiidae

Kiwaia jeanae

V New Zealand

Family Carposinidae

Heterocrossa viridis

Green Carposinid Moth

I Hawaii (U.S.A.)

Family Argyresthiidae

Argyresthia castaneella

Chestnut Ermine Moth

Ex? U.S.A.

Family Sesliidae

Synanthedon castaneae

Chestnut Clearwing Moth

I U.S.A.

Family Tortricidae

Grapholitha edwardsiana
Spheterista oheoheana
Spheterista pterotropiana
Spheterista reynoldsiana

San Francisco Tree Lupine
 Ohe Ohe Leaf-roller Moth
 Green-Banded Ohe Ohe Leaf-roller Moth
 Wallupe Leaf-Roller Moth

R U.S.A.
 I Hawaii (U.S.A.)
 I Hawaii (U.S.A.)
 I Hawaii (U.S.A.)

Family Cochylidae

Carotella busckana

Busk's Gall Moth

I U.S.A.

Family Hesperiidae

Antipodia chaostola leucophaea
Cartocephalus palaemon
Dalla octomaculata
Epargyreus antaeus
Epargyreus spana
Euscheman rafflesia
Hesperia dacotae
Hesperia paunee montana
Hesperilla mastersi marakupa
Kedestes barerae bunta
Kedestes chaca
Metisella syrinx
Oreisplanus munionga larana
Panoquina errans
Panoquina panoquinoides errans
Problema buienta
Pseudocopaodes eunus eunus
Syrichtus cribrellum
Syrichtus tessellum
Tsitana dicksoni

Chequered Skipper
 Eight-Spotted Skipper

 Skipper
 Dakota Skipper
 Pawnee Montane Skipper

 Barber's Ranger

 Bamboo Sylph

 Wandering Skipper
 Salt Marsh Skipper
 Rare Skipper
 Wandering Skipper
 Spinose Skipper
 Tessellated Skipper
 Dickson's Sylph

I Tasmania
 V Central & North Europe
 R Costa Rica, Panama
 R Jamaica
 R Dominican Republic
 K Australia
 E Canada, U.S.A.
 E U.S.A.
 I Tasmania
 V South Africa
 V South Africa
 V South Africa
 I Tasmania
 V Mexico, U.S.A.
 V Mexico, U.S.A.
 I U.S.A.
 I U.S.A.
 I Romania, S. U.S.S.R.
 K Balkans, S. U.S.S.R., Iran
 V South Africa

Family Megathymidae

Stallingsia maculosus

Family Papilionidae

*Archon apollinaris**Atrophaneura atropos**Atrophaneura jophon**Atrophaneura luchi**Atrophaneura palu**Atrophaneura schadenbergi**Baronia brevicornis**Battus zetides**Bhutanitis ludlowi**Bhutanitis mansfieldi**Bhutanitis thaidina**Eurytides iphitas**Eurytides lysithous harrisianus**Eurytides marcellinus**Graphium alebion chungianus**Graphium antiphates ceylonicus**Graphium aurivilliusi**Graphium epaminondas**Graphium idaeoides**Graphium levassori**Graphium meeki**Graphium megaera**Graphium mendana**Graphium procles**Graphium sandawanum**Graphium stresemanni**Luehdorfia chinensis*

Maculated Manfreda Skipper

I

U.S.A.

Sri Lankan Rose

R

Turkey

Palawan (Philippines)

Sri Lanka

Java (Indonesia)

Sulawesi (Indonesia)

Luzon (Philippines)

Mexico

Hispaniola

Bhutan

China

China

Brazil

Brazil

Jamaica

Taiwan

Sri Lanka

Zaire

Andaman Is (India)

Philippines

Comoro Is

Bougainville, Solomon Is

Palawan (Philippines)

Bougainville, Solomon Is

Sabah (Malaysia)

Mindanao (Philippines)

Moluccas (Indonesia)

China

Chinese Luehdorfia

K

<i>Luehdorfia japonica</i>	Japanese Luehdorfia	I	Japan, Taiwan
<i>Ornithoptera aesacus</i>		I	Moluccas (Indonesia)
<i>Ornithoptera alexandrae</i>	Queen Alexandra's Birdwing	E	Papua New Guinea
<i>Ornithoptera chimaera</i>	Chimaera Birdwing	I	New Guinea
<i>Ornithoptera croesus</i>		V	Moluccas (Indonesia)
<i>Ornithoptera meridionalis</i>		V	New Guinea
<i>Ornithoptera paradisea</i>	Paradise Birdwing	I	New Guinea
<i>Ornithoptera rothschildi</i>	Rothschild's Birdwing	I	Irian Jaya (Indonesia)
<i>Ornithoptera tithonus</i>		K	Irian Jaya (Indonesia)
<i>Papilio acheron</i>		R	Sabah, Sarawak (Malaysia)
<i>Papilio antimachus</i>	African Giant Swallowtail	R	Central & West Africa
<i>Papilio aristodemus ponceanus</i>	Schaus' Swallowtail	E	U.S.A.
<i>Papilio aristophontes</i>		I	Comoro Is
<i>Papilio aristor</i>	Scarce Haitian Swallowtail	I	Hispaniola
<i>Papilio benguetanus</i>		V	Luzon (Philippines)
<i>Papilio caiguanabus</i>	Poey's Black Swallowtail	I	Cuba
<i>Papilio carolinensis</i>		V	Mindanao (Philippines)
<i>Papilio chikae</i>		E	Luzon (Philippines)
<i>Papilio desmondi teita</i>	Taita Blue-banded Papilio	E	Kenya
<i>Papilio esperanza</i>		V	Mexico
<i>Papilio garleppi</i>		K	South America
<i>Papilio groesmithi</i>		R	Madagascar
<i>Papilio himeros</i>		V	Argentina, Brazil
<i>Papilio homerus</i>	Homerus Swallowtail	E	Jamaica
<i>Papilio hospiton</i>	Corsican Swallowtail	E	Corsica, Sardinia (Italy)
<i>Papilio jordani</i>	Jordan's Swallowtail	R	Sulawesi (Indonesia)
<i>Papilio leucotaenia</i>	Cream-banded Swallowtail	V	Burundi, Rwanda, Uganda
<i>Papilio mangoura</i>		R	Madagascar
<i>Papilio manlius</i>		I	Mauritius
<i>Papilio maraho</i>		V	Taiwan
<i>Papilio maroni</i>		K	French Guiana
<i>Papilio moeneri</i>		V	Bismarck Arch. (Papua New Guinea)

Insects

<i>Papilio morondaviana</i>	Madagascar	V
<i>Papilio neumoegeni</i>	Lesser Sunda Is (Indonesia)	V
<i>Papilio osmana</i>	Philippines	V
<i>Papilio phorbanta</i>	Reunion	V
<i>Papilio phorbanta nana</i>	[Seychelles]	Ex
<i>Papilio sjoestedti</i>	Tanzania	R
<i>Papilio toboroi</i>	Bougainville, Solomon Is	R
<i>Papilio weymeri</i>	Bismarck Arch. (Papua New Guinea)	R
<i>Parides ascanius</i>	Brazil	V
<i>Parides burchellanus</i>	Brazil	V
<i>Parides coelus</i>	French Guiana	K
<i>Parides hahneli</i>	Brazil	R
<i>Parides klagesi</i>	Venezuela	K
<i>Parides pizarro</i>	Brazil, Peru	K
<i>Parides steinbachi</i>	Bolivia	K
<i>Parnassius apollo</i>	Europe & U.S.S.R. to China	R
<i>Parnassius apollo vinningensis</i>	F.R.G.	E
<i>Parnassius autocrator</i>	Afghanistan, Tadzhikistan	R
<i>Parnassius clodius shepardii</i>	U.S.A.	I
<i>Parnassius clodius strohbeeni</i>	[U.S.A.]	Ex
<i>Teinopalpus aureus</i>	China, Vietnam	K
<i>Teinopalpus imperialis</i>	India to China	R
<i>Troides aeacus kaguya</i>	Taiwan	E
<i>Troides andromache</i>	Sabah, Sarawak (Malaysia)	I
<i>Troides dohertyi</i>	Sulawesi (Indonesia)	V
<i>Troides pratiorum</i>	Moluccas (Indonesia)	I
Family Pieridae		
<i>Artogeia virginiensis</i>	Canada, U.S.A.	I
<i>Belenois orgygia</i>	South Africa	E
<i>Euchloe hyantis andrewsi</i>	U.S.A.	I
<i>Mylothris carcassoni</i>	Zimbabwe	R

Pieris krueperi devta

Family Lycaenidae

Alaena margaritacea

Aloeides caledoni

Aloeides dentatis

Aloeides egerides

Aloeides lutescens

Argyrocupha malagrida malagrida

Argyrocupha malagrida paarlensis

Callophrys mossii bayensis

Capys penningtoni

Chrysoritis cotrelli

Chrysoritis oreas

Chrysoritis zeuxo

Cyclyrius mandersi

Deloneura immaculata

Deloneura millari millari

Deudorix penningtoni

Deudorix vansonii

Durbania limbata

Erikssonina acraeina

Eumaeus atala florida

Everes comyntas texanus

Glaucopsyche lygdamus palosverdesensis

Glaucopsyche xerces

Hemiarigus thomasi bethune-bakeri

Icaricia icarioides missionensis

Icaricia icarioides moroensis

Icaricia icarioides pheres

Lepidochrysops ariadne

Lepidochrysops bacchus

R India

V South Africa

V South Africa

R South Africa

V South Africa

V South Africa

V South Africa

V South Africa

E U.S.A.

E South Africa

I South Africa

I South Africa

I South Africa

I Mauritius

Ex? South Africa

V South Africa

V South Africa

V South Africa

V South Africa

R South Africa

V U.S.A.

Ex [U.S.A.]

Ex? U.S.A.

Ex [U.S.A.]

I U.S.A.

E U.S.A.

I U.S.A.

I U.S.A.

E South Africa

V South Africa

Lion's Head Copper

Lion's Head Copper

San Bruno Elfin

Drakensburg Copper

Millar's Buff

Florida Atala Hairstreak

Texas Tailed Blue

Palos Verdes Blue

Xerces Blue

Miami Blue Butterfly

Mission Blue

Moro Bay Blue

Pheres Blue

Wineland Blue

Poecilmitis rileyi
Pseudalmenus chlorinda chlorinda
Pseudalmenus chlorinda conara
Pseudolaula lulua
Shijimiaeoides battoides allyni
Shijimiaeoides battoides comstocki
Shijimiaeoides enoptes smithi
Shijimiaeoides langstoni langstoni
Shijimiaeoides rita mattonii
Spindasis collinsi
Strymon acis bartrami
Strymon avalona
Thestor dicksoni dicksoni
Thestor kaplani
Thestor tempe
Trimenia wallengrenii
Uranothauma usambarae

Family Libytheidae

Libythea cinyras

Family Danaidae

Amauris comorana
Amauris nossima
Amauris phoedon
Anetia briarea
Anetia cubana
Anetia jaegeri
Anetia pantheratus
Danaus cleophile
Euploea albicosta
Euploea blossomae

White Spotted Sapphire	V	South Africa
El Segundo Blue	I	Tasmania
Comstock's Blue	I	Tasmania
Smith's Blue	V	South Africa
Langston's Blue	E	U.S.A.
Mattoni's Blue	I	U.S.A.
	E	U.S.A.
	I	U.S.A.
	I	U.S.A.
	I	U.S.A.
Bartram's Hairstreak	V	Tanzania
Avalon Hairstreak	I	U.S.A.
Dickson's Thestor	K	U.S.A.
Kaplan's Thestor	V	South Africa
	V	South Africa
	V	South Africa
	V	South Africa
	V	South Africa
Wallengren's Copper	V	Tanzania
	E*	[Mauritius]
	R	Comoro Is
	R	Comoro Is, Madagascar
	R	Mauritius
	R	Cuba, Hispaniola
	R	Cuba
	R	Hispaniola
	R	Cuba, Hispaniola
	K	Hispaniola, Jamaica
	R	Irian Jaya (Indonesia)
	R	Philippines

<i>Euploea caespes</i>	R	Indonesia
<i>Euploea configurata</i>	R	Sulawesi (Indonesia)
<i>Euploea cordelia</i>	R	Sulawesi (Indonesia)
<i>Euploea dentiplaga</i>	R	Indonesia
<i>Euploea doretta</i>	R	Bismarck Arch. (Papua New Guinea)
<i>Euploea eboraci</i>	R	Bismarck Arch. (Papua New Guinea)
<i>Euploea eupator</i>	R	Sulawesi (Indonesia)
<i>Euploea euphon</i>	R	Mauritius, Reunion, Rodrigues
<i>Euploea gamelia</i>	R	Java (Indonesia)
<i>Euploea lacon</i>	R	Bismarck Arch. (Papua new Guinea)
<i>Euploea latifasciata</i>	R	Sulawesi (Indonesia)
<i>Euploea magou</i>	R	Sulawesi (Indonesia)
<i>Euploea martinii</i>	R	Sumatra (Indonesia)
<i>Euploea mitra</i>	R	Seychelles
<i>Euploea tobleri</i>	R	Philippines
<i>Euploea tripunctata</i>	R	Irian Jaya (Indonesia)
<i>Idea electra</i>	R	Philippines
<i>Idea iasonia</i>	R	Sri Lanka
<i>Idea malabarica</i>	R	India
<i>Idea tambusisiana</i>	K	Sulawesi (Indonesia)
<i>Ideopsis hewitsonii</i>	R	Irian Jaya (Indonesia)
<i>Ideopsis klassika</i>	R	Indonesia
<i>Ideopsis oberthurni</i>	R	Indonesia
<i>Parantica albata</i>	R	Java, Sumatra (Indonesia)
<i>Parantica clinias</i>	R	Bismarck Arch. (Papua New Guinea)
<i>Parantica crowleyi</i>	R	Borneo
<i>Parantica dannatti</i>	R	Philippines
<i>Parantica davidi</i>	R	Philippines
<i>Parantica garamantis</i>	E	Bougainville, Solomon Is
<i>Parantica kirbyi</i>	R	New Guinea
<i>Parantica kuekenthali</i>	K	Sulawesi (Indonesia)
<i>Parantica marcia</i>	R	Irian Jaya (Indonesia)

Sulawesi Tree Nymph

Parantica menadensis
Parantica milagros
Parantica nilgiriensis
Parantica philo
Parantica phyle
Parantica pseudomelaneus
Parantica pumila
Parantica rotundata
Parantica schoenigi
Parantica sulewattian
Parantica taprobana
Parantica tityoides
Parantica toxopei
Parantica wegneri
Parantica weiskei
Protoploea apatela
Tiradelphe schneideri
Tirumala euploeomorpha
Tirumala gautama

R Sulawesi (Indonesia)
R Philippines
R India
R Indonesia
R Philippines
R Java (Indonesia)
R New Caledonia
R Bismarck Arch. (Papua New Guinea)
R Philippines
R Sulawesi (Indonesia)
R Sri Lanka
R Sumatra (Indonesia)
R Sulawesi (Indonesia)
R Indonesia
R New Guinea
R New Guinea
R Solomon Is.
R Solomon Is.
R Indochina, China, Malaysia

Family Satyridae

Coenonympha oedippus
Erebia annada annada
Erebia christi
Erebia gorgone
Erebia narasingha narasingha
Erebia ottomana
Erebia scipio
Erebia sthenryo
Erebia sudetica
Lethe distans
Lethe dura gammiei

False Ringlet
Raetzer's Ringlet
Gavarnie Ringlet
Ottoman Brassy Ringlet
Larche Ringlet
False Dewy Ringlet
Sudeten Ringlet
Scarce Red Forester

E Europe & Northern Asia
R Bhutan, India
V Italy, Switzerland
I Pyrenees
R India
R Southern Europe
R France, Italy
R France, Spain
V Europe
R Burma, India
R Bhutan, India

Insects

<i>Cymothoe melanjae</i>				R	Malawi
<i>Cymothoe teita</i>				V	Kenya
<i>Doleschallia bisaltide andamana</i>		Andaman Leafwing		R	Andaman Is (India)
<i>Euphydryas editha bayensis</i>		Bay Checkerspot Butterfly		E	U.S.A.
<i>Euphydryas editha monoesis</i>		Mono Checkerspot Butterfly		I	U.S.A.
<i>Euryphura achlys</i>		Mottled Green		I	East & South Africa
<i>Euthalia malapana</i>				Ex	[Taiwan]
<i>Euxanthie madagascariensis</i>				R	Madagascar
<i>Fabriciana elisa</i>		Corsican Fritillary		V	France, Italy
<i>Heliconius charltonius peruvianus</i>				V	Ecuador, Peru
<i>Heliconius nativeri</i>		Natterer's Longwing		E	Brazil
<i>Heteronympha cordacea comptena</i>				I	Tasmania
<i>Hypodryas maturna</i>		Scarce Fritillary		E	Northern Europe
<i>Hypolimnias antevorta</i>				V	Tanzania
<i>Hypolimnias dubius drucei</i>				I	Comoro Is, Madagascar, Mauritius
<i>Neptis decaryi</i>				R	Madagascar
<i>Neptis manasa</i>		Pale Hockeystick Sailer		R	China, India
<i>Neptis metella gratilla</i>				R	Madagascar
<i>Neptis nyctea</i>				R	Sikkim (India)
<i>Neptis sankara nar</i>				R	Andaman Is (India)
<i>Neptis sextilla</i>				I	Madagascar
<i>Phalanta philiberti</i>				E	Seychelles
<i>Phyciodes batesi</i>		Tawny Crescent Butterfly		I	U.S.A.
<i>Salamis angustina</i>		Salamis Retrecie		I	Madagascar, Mauritius
<i>Salamis angustina angustina</i>		Salamis Retrecie		I	Madagascar, Reunion
<i>Salamis angustina vinsoni</i>				Ex	[Mauritius]
<i>Sasakia charonda</i>				I	Japan, Taiwan
<i>Satyrodes eurydice fumosa</i>		Smokey Eyed Brown Butterfly		I	U.S.A.
<i>Smerina manoro</i>				I	U.S.A.
<i>Speyeria adiate atossa</i>		Atossa		R	Madagascar
<i>Speyeria callippe callippe</i>		Callippe Silverspot		Ex	[U.S.A.]
<i>Speyeria hydaspe conquista</i>		Silverspot		I	U.S.A.
				I	U.S.A.

<i>Speyeria idalia</i>					
<i>Speyeria nokomis caerulea</i>					
<i>Speyeria nokomis nokomis</i>					
<i>Speyeria zere zere behrensii</i>					
<i>Speyeria zere zere hippolyta</i>					
<i>Speyeria zere zere myrtilae</i>					
Family Acraeidae					
<i>Acraea hova</i>					
<i>Acraea sambavae</i>					
Family Pyralidae					
<i>Hedylepta</i> (14 species)					
<i>Kupea electilis</i>					
<i>Margaronia cyanomichla</i>					
<i>Margaronia exaula</i>					
<i>Oecoblia dryadopa</i>					
Family Geometridae					
<i>Acalyphes philorites</i>					
<i>Dirce aesiadora</i>					
<i>Dirce lunaris</i>					
<i>Dirce oriplancta</i>					
<i>Dirce solaris</i>					
<i>Fletcherana ioxantha</i>					
<i>Gnophos obscurata</i>					
<i>Scotorythra megalophylla</i>					
<i>Scotorythra nesiotis</i>					
<i>Scotorythra paratactis</i>					
<i>Tritocleis microphylla</i>					
		Regal Fritillary	I	Canada, U.S.A.	
		Blue Silverspot	I	Mexico, U.S.A.	
		Great Basin Silverspot	I	U.S.A.	
		Behren's Silverspot	I	U.S.A.	
		Oregon Silverspot	V	U.S.A.	
		Myrtle's Fritillary	R	U.S.A.	
			R	Madagascar	
			R	Madagascar	
		Hedyleptan Moths	T	Hawaii (U.S.A.)	
			V	New Zealand	
		Blue Margaronian	I	Hawaii (U.S.A.)	
		Green Margaronian	I	Hawaii (U.S.A.)	
		Ohenaupaka Oeobian Moth	I	Hawaii (U.S.A.)	
			I	Tasmania	
			I	Tasmania	
			I	Tasmania	
			I	Tasmania	
			I	Tasmania	
		Ioxantha Looper Moth	I	Hawaii (U.S.A.)	
			K	Austria, F.R.G.	
		Kona Giant Looper Moth	Ex?	Hawaii (U.S.A.)	
		Ko'olau Giant Looper Moth	Ex?	Hawaii (U.S.A.)	
		Hawaiian Hopseed Looper Moth	Ex?	Hawaii (U.S.A.)	
		Ola'a Peppered Looper Moth	Ex?	Hawaii (U.S.A.)	

Family Lasiocampidae

Eriogaster catax
Phyllodesma ilicifolia

E Central & Southern Europe
V Central & North Europe to Japan

Family Saturniidae

Graellsia isabelae
Saturnia pyri

Spanish Moon Moth
Great Peacock Moth

V France, Spain
E Austria, Czechoslovakia, F.R.G.

Family Sphingidae

Celerio wilsoni perkinsi
Euproserpinus euterpe
Euproserpinus wiesti
Hyles hippophaes
Manduca blackburni
Proserpinus proserpina
Tinostoma smaragditiis

Kern Primrose Sphinx Moth
Prairie Sphinx Moth

E Hawaii (U.S.A.)
V U.S.A.
E U.S.A.

Blackburn's Sphinx Moth
none known

V Europe & U.S.S.R.

Fabulous Green Sphinx of Kauai

Ex? Hawaii (U.S.A.)
V Central & South Europe, Middle East
Ex? Hawaii (U.S.A.)

Family Noctuidae

Agrotis crinigera
Agrotis fasciata
Agrotis kerri
Agrotis laysanensis
Agrotis photophila
Agrotis procellaris
Catocala marmorata
Catocala pretiosa
Erythroecia hebaridi
Helicoverpa confusa
Helicoverpa minuta
Hydraecia petasitis
Hypena laysanensis

Poko Noctuid Moth
Midway Noctuid Moth
Kerr's Noctuid Moth
Laysan Noctuid Moth

Ex? Hawaii (U.S.A.)
Ex [Hawaii (U.S.A.)]
Ex? Hawaii (U.S.A.)
Ex [Hawaii (U.S.A.)]
Ex [Hawaii (U.S.A.)]
Ex [Hawaii (U.S.A.)]
I U.S.A.
I U.S.A.
I U.S.A.

Procellaris grotis Noctuid Moth
Marbled Underwing Moth
Precious Underwing Moth
Hebard's Noctuid Moth
Confused Moth
Minute Noctuid Moth

Ex? Hawaii (U.S.A.)
Ex [Hawaii (U.S.A.)]
E Austria, F.R.G.
Ex [Hawaii (U.S.A.)]

Laysan Dropseed Noctuid Moth

Hypena neweili
Hypena plagiota
Hypena senicula
Lithophane lemmeri
Peridroma porphyrea
Pyreferra ceromatia

Hilo Noctuid Moth
 Lovegrass Noctuid Moth
 Kaholuamano Noctuid Moth
 Lemmer's Noctuid Moth
 Ceromatic Noctuid Moth

Ex? Hawaii (U.S.A.)
 Ex? Hawaii (U.S.A.)
 Ex? Hawaii (U.S.A.)
 I U.S.A.
 Ex [Hawaii (U.S.A.)]
 I Canada, U.S.A.

Order HYMENOPTERA

Family Eupelmidae
Eupelmus nihoaensis

Nihoa Eupelmus Wasp

I Hawaii (U.S.A.)

Family Bethyilidae
Sclerodermus nihoaensis

Nihoa Sclerodermus Wasp

I Hawaii (U.S.A.)

Family Mutillidae
Myrmosula pacifica

Antioch Mutillid Wasp

I U.S.A.

Family Formicidae

Anergates atratulus
Aneuretus simoni
Aulacopone relicta
Camponotus aethiops
Camponotus dalmaticus
Camponotus fallax
Camponotus universitatis
Epimyrma groesswaldi
Epimyrma ravouxi
Formica aquilonia
Formica lugubris
Formica polycтена
Formica rufa
Formica transcaucasica

Sri Lankan Relict Ant
 Caucasian Relict Ant
 Ravoux's Slavemaker Ant
 European Red Wood Ant
 Red Wood Ant
 Black Bog Ant

I F.R.G., Switzerland, U.K.
 K Sri Lanka
 K Azerbaijan (U.S.S.R.)
 I F.R.G.
 I Switzerland
 I F.R.G.
 I F.R.G., France
 I Europe
 R Central & Southern Europe
 V F.R.G.
 V F.R.G., Italy
 V F.R.G., Italy
 V Central Europe
 I Northern Europe

<i>Formica uralensis</i>				I	F.R.G., Switzerland
<i>Leptothorax goesswaldi</i>		Goesswald's Inquiline Ant		K	Switzerland
<i>Myrmica bibikoffi</i>				I	Switzerland
<i>Myrmica stovaca</i>				I	Switzerland
<i>Nothomyrmecia macrops</i>		Australian Ant		K	Australia
<i>Polyergus rufescens</i>				I	F.R.G.
Family Vespidae					
<i>Odynerus niuhauensis</i>		Niuhau Vespid Wasp		E	Hawaii (U.S.A.)
<i>Odynerus soror</i>		Soror Vespid Wasp		E	Hawaii (U.S.A.)
Family Sphecidae					
<i>Deinomimesa hawaiiensis</i>		Hawaiian Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Deinomimesa punae</i>		Puna Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius curtipes</i>		Short-foot Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius fulvicrus</i>		Brown Cross Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius giffardi</i>		Giffard's Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius haleakalae</i>		Haleakala Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius nesocrabo bidecoratus</i>		Bidecoratus Sphecid Wasp		I	Hawaii (U.S.A.)
<i>Eucerceris ruficeps</i>		Redheaded Sphecid Wasp		I	U.S.A.
<i>Nesomimesa kauaiensis</i>		Kauai Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Nesomimesa perkins</i>				E	Hawaii (U.S.A.)
<i>Nesomimesa sciopteryx</i>		Shade-winged Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Philanthus nasalis</i>		Antioch Sphecid Wasp		I	U.S.A.
Family Colletidae					
<i>Nesoprotopis</i> (57 species)		Yellow-faced Bee		T	Hawaii (U.S.A.)
Family Andrenidae					
<i>Perdita hirticeps luteocincta</i>		Yellow Banded Andrenid Bee		I	U.S.A.
<i>Perdita scitula antiochensis</i>		Antioch Andrenid Bee		I	U.S.A.

Family Megachilidae
Chalicodoma pluto

Wallace's Giant Bee

K Moluccas (Indonesia)

Class ONYCHOPHORA

Phylum ONYCHOPHORA

Order ONYCHOPHORA

Family Peripatidae

Family Peripatosidae

Dendy (3 species)
Euperipatoides sp. "*leuckarti*"
Ooperipatellus insignis

Peripatus (10 genera)

Peripatus (12 genera)

V Equatorial Tropics

V Southern Hemisphere
I Tasmania
I Tasmania
I Tasmania

Class ECHINOIDA

Phylum ECHINODERMATA

Order ECHINOIDA

Family Echinidae

Echinus esculentus
Paracentrotus lividus

European Edible Sea Urchin
Purple Urchin

K North-east Atlantic
CT North-east Atlantic, Mediterranean

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The Red Data Book concept, originated by Sir Peter Scott in the mid-1960s, aims to focus attention on the plight of the earth's vanishing wildlife. The concept has been outstandingly successful and, over two decades later, many national, regional, and global Red Data Books have been published, with many more countries in the process of compiling their own lists of threatened species. The information provided in national and regional compilations will inevitably be more detailed than the global overviews produced by IUCN. There is, however, an increasing demand for an international list that categorises the status of globally threatened taxa, and it is to meet this demand that the *IUCN Red List of Threatened Animals* has been produced. This edition is an update of the 1988 Red List, and new editions will be published on a regular basis.

Produced from the databases of the World Conservation Monitoring Centre, the Red List presents, for each threatened species, the scientific name, the English vernacular name, the IUCN threatened category, and a brief description of the animal's range. This is followed by an index to the list based on the order, family, and generic names, with vernacular names for major groupings. Also included is an essay on the role of captive breeding in the conservation of species, prepared by Dr Nathan Flesness and Dr Tom Foose of the IUCN/SSC Captive Breeding Specialist Group. A guest essay is a regular feature of the IUCN Red Lists.

Whilst the length of the Red List makes depressing reading, the information it contains should be of fundamental value to conservationists.

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A contribution to GEMS – the Global Environment Monitoring System.



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